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METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1912.

PART V.

RÉSEAU MONDIAL, 1912.

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE.

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RÉSEAU MONDIAL, 1912.

PREFACE.

THE compilation of a series of meteorological data representing the meteorology of the globe has been for a long time a cherished ambition of meteorologists, because it is generally acknowledged that the weather of any particular region is only the local result of causes which belong to the general circulation of the atmosphere, and can only be interpreted in general terms when the results for one locality can be placed in effective comparison with those for the rest of the globe.

Summaries of results for pressure, temperature, and rainfall based on averages for a long series of years have already been given to the world. Alexander Buchan's compilation, contained in the volume of the results of *Challenger* Expedition comprising the Report on Atmospheric Circulation, is the most notable. It includes a representation of the average distribution of pressure and temperature for each month, with tables for the individual stations, which are still a mine of reference for all who are interested in meteorology; and in the time before its publication Dové's charts of mean temperature were, and still are, counted among the best known meteorological classics, and are the basis of the maps reproduced in many works on physical geography. In the last few years comprehensive tables of extremes and averages for several hundred coast stations have been compiled in this Office and published in the various Admiralty Pilots and Sailing Directions.

The gradual progress of meteorology on an international basis may be dated back to the International Congresses of 1874 at Vienna and 1879 at Rome. It has been carried on with increasing success by periodical Conferences of Directors of Meteorological Institutes and Observatories, with triennial meetings of the International Meteorological Committee appointed by the Conferences. It has led meteorologists to recognise that normal values are only the first beginning of the systematic study of the meteorology of the globe, and that the next important step is the compilation of monthly means of pressure, temperature, and rainfall which are the result of observations at stations in all parts of the world, conducted in accordance with the regulations laid down by the international organisation in order to secure the uniformity of practice necessary for the purposes of comparison.

Prominent among those who have urged the study of meteorology on the scale of a *réseau mondial* is the veteran meteorologist H. H. Hildebrandsson, for many years Professor in the University of Upsala, whose memoirs on centres of action in the atmosphere also rank among classical researches in meteorology. For him the month was the accepted time-unit, while his collaborator Léon Teisserenc de Bort, in 1905, demanded the collection of daily data for a *réseau mondial* by telegraph, and obtained the appointment of a special commission by the International

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Meteorological Committee in 1907 to satisfy the demand, with which that of Professor Hildebrandsson was subsequently associated. Before that, the Solar Physics Observatory at South Kensington insisted upon the compilation of meteorological data for the globe from the point of view of the relation of solar and terrestrial changes, and in order to further that object a Solar Commission was constituted by the International Meteorological Committee at Southport in 1903 under the presidency of Sir Norman Lockyer, and held several meetings, at the last of which, in 1909, a selection of stations at the rate of two for each ten-degree square of latitude and longitude was prepared.

The inherent difficulties of the task of compiling the data from the publications of the various meteorological institutes appearing at widely different intervals after the close of the period under review, and of supplementing them by data which are believed to exist but are not published, have hitherto proved insuperable, and various attempts have been made by individual institutes—notably by the Solar Physics Observatory, by the Indian, Australian, and Argentine Services, and especially by Professor Hildebrandsson—to collect the data necessary for special branches of research. More recently the Meteorological Institute of the Netherlands, with the assistance of the Commission for Maritime Meteorology, has initiated the collection of monthly data for selected areas of the sea, in order to supplement the available information on land.

It was my duty, as President of the International Meteorological Committee, to do what was possible to assist in meeting a demand so generally regarded as urgent, and so difficult to satisfy on account of the number of obstacles, each in itself trivial but practically deterrent by their number; and in 1910 I presented to the meeting of the International Committee at Berlin a specimen of the compilation for the month of January 1905, which was accepted as satisfactory. General support was promised to the enterprise provided it was understood that the resulting compilation would be published.

After five years of endeavour to find means to deal with the demand, through the energy and perseverance of a member of the staff of the Meteorological Office, Mr C. E. P. Brooks, M.Sc., with the effective assistance of Mr H. W. Braby, M.A., until he left for service in the war, I had succeeded in compiling the monthly results for the year 1911 in the form which was used for the specimen presented at Berlin.

The tables were all printed, and also the charts showing the deviations of pressure and temperature from normal values, and the volumes were only awaiting binding up in order to be ready for issue, when all the tables for 1911, and with them a large part of the manuscript for 1912, were destroyed by fire at the printing works at Edinburgh in May 1916.

It was some months before the printers were able to proceed with their work, and when they did so, they commenced with the printing of 1912 instead of 1911, and the charts for the latter year were issued in January 1917, without waiting for the reprinting of the tables. The latter are now being proceeded with, and should be ready shortly.

There is a sense in which the Meteorological Office is specially called upon to take up the responsibility of a work of this kind. In response to urgent representations of

various kinds it has, for some years past, made a point of collecting together the meteorological information compiled in the various British colonies scattered over the globe which have no organised meteorological institute; the original intention was to compile a volume of meteorological data for the British Empire as a fifth part of the *British Meteorological and Magnetic Year-Book*. This was felt to be an urgent necessity, if only for the purpose of keeping in sympathetic touch with the work which is conducted sometimes under very adverse conditions and with little supervision or expert assistance. Those who have experience in supervising work carried on at a great distance from the base will recognise that the headings of columns on a form for the entry of observations are sometimes misunderstood or disregarded by the observer until his attention is called thereto; and unless the examination is done promptly and regularly it is too late. Moreover, the most effective way of examining results is to chart them; and thus, when the work came to be taken in hand, it was found desirable to have the values of neighbouring countries for the purpose of comparison; and, indeed, it became apparent that with not very much additional labour the summary might be extended beyond the limits of the British Empire to include the whole of the known globe.

It will be understood that the representation of the meteorology of the globe which is here presented is only in outline. Precipitation in particular cannot be adequately represented by two stations to the square of ten degrees in latitude and longitude. But it is better to include it now as a guide to the questions which will subsequently be answered more fully. Pressures are expressed in millibars, temperatures in degrees centigrade measured from absolute zero, and rainfall in millimetres. Conversion tables are appended to this preface.

There are other points which will have to be considered before the work can be regarded as complete. The observations of pressure and temperature are taken at fixed hours at the different stations, and the fixed hours are not the same for all when referred either to local time or standard time. Consequently there may be systematic differences due to the difference of hours selected for observations, and wherever possible the results must be reduced to the true mean value for the period of twenty-four hours, which is usually regarded as identical with the mean of twenty-four readings at equal intervals of an hour. But in many cases the appropriate correction is not known. It is a subject in which it is better not to guess, and consequently the mean values of the readings in their original form are given, and in the case of pressure a separate table is given in the Introduction for the amount of correction representing the necessary reduction to the twenty-four hour mean, while in the case of temperature an additional column is given headed "24 hr. mean," in which computed means are shown in *italics*.

In temperature there is a further special case to be considered because observations of maximum and minimum temperature are often available, sometimes instead of, sometimes in addition to the observations at fixed hours.

In his climatological work, Dr Buchan preferred to accept the "mean of maximum and minimum" as a definition of mean temperature of the air for a month, because it was more convenient to handle than a definition based upon the mean ordinate of a continuous record for the twenty-four hours. On the other hand, Dr Hann has devoted much attention to the question of difference between the true mean temperature and

the means of the twenty-four hours, and regards it as particularly worthy of attention in tropical regions.

In the tables of values here given, we have to allow for every kind of variation permissible by the international rules, and in consequence the means as extracted from the published results are of many different forms. It has been thought best to give the mean of the maximum and minimum whenever both were available, and otherwise to give the means at combinations of hours which are specified for each station in a supplementary table which follows the meteorological data.

For certain stations the corrections necessary to reduce the temperature observations to the true mean value were prepared too late for the figures to be incorporated in the tables month by month. The computed values for these stations are given in a subsidiary table at the end of the Introduction.

This brings us to a third point, namely, the differences of values for the particular month from the normal values for the month for the individual stations. In the absence of any universally applicable rule for obtaining the true means for the twenty-four hours, it is useful to be able to work with difference from normal instead of depending upon the actual difference between stations. Here again there is a difficulty, because the normals for different stations ought to be based on equal numbers of years of record, and indeed, strictly speaking, on the same interval of time.

But the records are not by any means concurrent. In such circumstances we have this consolation for our inability to present a truly homogeneous series of data—that the associations of weather phenomena which we are seeking by this compilation must be something much deeper and wider than anything that can be obliterated by the chance of the selection of years for the normal or the method of obtaining means. If not, the work of the Réseau Mondial would be a vain pursuit. When we get to the stage when general considerations will be contingent upon precise accuracy in the formation of the deviation from normal, the object of the meteorological plan of organisation of stations will be sufficiently clear to secure the requisite co-operation.

In the meantime it is hoped that the mode of presentation will upon examination commend itself to my meteorological colleagues. It is to me not only interesting but satisfactory that in glancing over the tables, with the exception of three entries in the height column for stations that are below sea level, the prefix of the sign + or − before a number means always and everywhere the difference from the figures accepted for normal.

The appearance would have been very different if five additional columns of temperature had required the prefix of a sign to make the reading intelligible.

NAPIER SHAW, *Director.*

METEOROLOGICAL OFFICE,
15*th March* 1917.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1912.

THE following tables deal with the meteorology of the globe month by month for the year 1912. As far as the available data permitted, two stations have been included for each ten-degree square, and in some cases, chiefly in Western Europe, three stations. All the stations are land stations, no marine data being included. The majority of the stations are under the control of the various Government Meteorological Services, and may therefore be regarded as giving comparable records. In other cases information as to the exposure of the instruments is often lacking, and then it is not certain that standard conditions have obtained. No observations are included that are known to be faulty in this respect. The elements dealt with are barometric pressure, temperature of the air, and precipitation. Absolute units on the C.G.S. system are employed throughout.

Numbering of the Stations.—The stations are divided according to their latitude into sixteen ten-degree zones, numbered from North to South, Zone 1 being from 80° to 70° North, and Zone 16 from 70° to 80° South. Each of these zones is divided at every tenth degree of longitude, into thirty-six ten-degree squares. Each square normally contains two stations, so that to each square in the zone, starting from 180° (Greenwich longitude) and proceeding eastward, two numbers are assigned. The stations within the ten degrees between longitude 180° W. and 170° W. are thus numbered 1, 2, those between 170° W. and 160° W. 3, 4, and so on; those between 170° E. and 180° E. are numbered 71, 72. To the numbers of the stations in each zone is prefixed the number of the zone, the whole making a system of numeration for the stations, *e.g.* in Zone 1, Nos. 101, 102 . . . 171, 172; in Zone 10, Nos. 1001, 1002 . . . 1072. Where there are three stations in a ten-degree square, the third station is designated by the number of the second station with the letter *a* attached.

Pressure.—The readings of barometric pressure are reduced to mean sea level when the height of the cistern is accurately known and does not exceed a thousand metres. Above this height the readings are not reduced. The tables employed in the reductions are based on those in the International Meteorological Tables, the mean temperature at the station for the month being taken to represent the temperature of the column of air. Owing to the low temperatures recorded in Canada and Siberia, this probably makes the sea-level pressures there during the winter months artificially high. If we assume a temperature inversion of 10 a. immediately above the ground, the excess would be about one millibar for every two hundred metres height of the station. The hours of observation to which the barometer readings refer are shown in the table of authorities at the end of the monthly tables. In many cases the figures are means of hourly values, for others a table is given at the end of this Introduction, showing the corrections which must be applied to the readings if it is wished to reduce the values given to twenty-four hourly means. These corrections are not available for all stations.

Differences from normal are given wherever average values were obtainable ; where both station-level and sea-level readings for the month are given, the differences refer to the latter. The periods covered by the averages vary ; it was not possible to employ a homogeneous series, owing to the late commencement of many of the tropical stations.

Temperature.—The tables of temperature include the means of the daily readings of the maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature, obtained from the mean maximum and mean minimum or from observations at fixed hours, and a column showing the observed or computed mean of twenty-four hourly values. The normals, like those of pressure, are for varying periods, but in all cases they are based on the same combination of values as the current data.

Precipitation.—The term precipitation includes besides rain, snow, hail, and (if in measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Standard of Time.—The standard of time to which the hours of observation refer is either local time or local standard time. As a rule, at stations unconnected with a Government Weather Service local time is employed, while the Government Services employ local standard time for all the stations within their district.

Tables of Authorities.—The publications of the various Meteorological Institutes, from which the data for 1911, as well as the normals for the stations, are taken, are shown in the "Tables of Authorities, etc.," at the end of the volume. The letters **P**, **T**, **R** refer to Pressure, Temperature, and Precipitation. In many cases the data for 1912 are not yet published by the institutions responsible for them, and advance copies in manuscript have been kindly supplied by the directors. The data for some stations in the British Crown Colonies exist in manuscript at this Office, but have not yet been published in any other form. The positions and heights of the stations, and the spelling of the names, have been taken, wherever possible, from the official publications.

Table I. gives corrections based, where possible, on averages of several years, which must be applied in order to reduce to true or twenty-four hourly means the values of pressure contained in the monthly tables.

Table II. gives computed means of temperature for twenty-four hours at stations for which the requisite corrections were not available in time for the inclusion of the figures in the tables month by month.

Tables III.–VI. show the equivalents in absolute C.G.S. units of inches and millimetres of mercury, degrees Fahrenheit, and inches of rainfall.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for North Star Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Malye Karmakouly, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Zone 2.													
Nome, 17 h. (1)	+0·2	0·0	+0·4	+0·4	+0·2	+0·1	+0·1	+0·2	+0·4	+0·4	+0·1	+0·2	+0·2
Godthaab for Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Godthaab, ⅓ (8+14+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Lerwick, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0
Helsingfors, 7 h. (2)	+0·7	+0·1	+0·1	+0·2	+0·2	−0·1	−0·2	+0·1	+0·2	+0·4	+0·2	+0·4	+0·2
Kuopio, 7 h. (1)	+0·5	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	+0·1	+0·1	+0·3	+0·3	+0·3	+0·2
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Petrozavodsk, 7 h. (1)	+0·2	+0·2	+0·2	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Arkhangelsk, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·2
Velsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·1
Troitsko-Petcherskoe, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Obdorsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Olekminsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Oust-Maïskoe, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for Dutch Harbour, 15 h. (1) ..	+0·1	0·0	0·0	−0·2	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	+0·1	0·0	−0·1
Fort Churchill for York Factory, ½ (8+18) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Hamburg, ⅓ (8+14+20) (2)	0·0	+0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, 7 h. (1)	+0·2	0·0	−0·1	−0·2	−0·3	−0·3	−0·3	−0·3	−0·1	−0·1	+0·1	+0·2	−0·1
Jurjev, 7 h. (1)	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·2	+0·2	+0·3	+0·1
Petrograd, 7 h. (2)	+0·2	+0·2	+0·2	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Kiev, 7 h. (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, 7 h. (2)	+0·1	+0·2	+0·4	0·0	+0·1	−0·1	−0·2	0·0	+0·1	+0·1	+0·1	0·0	+0·1
Saratov, 7 h. (1)	+0·1	−0·1	−0·1	−0·4	−0·5	−0·6	−0·6	−0·4	−0·4	−0·2	−0·1	+0·2	−0·3
Kazan, 7 h. (2)	+0·3	0·0	0·0	−0·2	−0·4	−0·5	−0·5	−0·2	0·0	+0·1	+0·2	+0·5	−0·1
Orenburg, 7 h. (1)	0·0	−0·1	−0·1	−0·4	−0·5	−0·6	−0·5	−0·4	−0·4	−0·2	0·0	+0·1	−0·3
Perm, 7 h. (1)	+0·1	+0·1	0·0	−0·1	−0·3	−0·3	−0·3	−0·1	0·0	+0·1	+0·2	+0·2	0·0
Ekaterinburg, 7 h. (2)	+0·1	+0·1	0·0	−0·1	−0·3	−0·2	−0·2	−0·1	0·0	+0·1	+0·2	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Akmolinsk, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Omsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Tomsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅓ (7+13+21) (1) ..	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅓ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Blagoveshchensk Priisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Nertchinsk, ⅓ (7+13+21) (2) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tygan Ourkan, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagoveshchensk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Paikanskii Sklad, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Nikolaevsk-sur-Amour, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Okhotsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 4.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Toronto, ½ (8+20) (1)	−0·4	−0·4	−0·4	−0·5	−0·3	−0·2	−0·2	−0·3	−0·4	−0·3	−0·3	−0·4	−0·3
Rome, 8 h. (3)	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	0·0	+0·1	−0·3	−0·1	0·0	0·0
Vienna, ⅓ (7+14+21) (2)	+0·2	+0·1	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	0·0	+0·1	+0·2	+0·1
O-Gyalla for Buda Pesth, ⅓(7+14+21)(1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Odessa, 7 h. (1)	0·0	+0·2	−0·1	−0·3	−0·6	−0·6	−0·4	−0·5	−0·4	−0·3	−0·1	0·0	−0·3
Kharkov, 7 h. (1)	−0·1	0·0	0·0	−0·2	−0·3	−0·5	−0·4	−0·5	−0·4	−0·3	−0·2	−0·2	−0·3
Novorossiisk, 7 h. (1)	−0·3	−0·2	−0·3	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·5	−0·3	−0·3	−0·5
Tiflis, 7 h. (2)	−0·2	−0·2	−0·6	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·7	−0·4	−0·3	−0·7
Astrakhan, 7 h. (1)	−0·1	−0·2	−0·3	−0·7	−0·8	−0·8	−0·7	−0·7	−0·8	−0·5	−0·3	−0·1	−0·5
Krasnovodsk, 7 h. (1)	−0·1	−0·2	−0·5	−0·9	−0·9	−0·9	−0·7	−0·9	−0·9	−0·7	−0·3	−0·2	−0·6
Tachkent, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Irgiz, ⅓ (7+13+21) (1)	+0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Narynskoe, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vernyi, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Bermuda, ⅓ (9+15+21) (1)	−0·2	−0·1	−0·1	−0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	0·0	−0·2	−0·1
Horta, 6 h. (1)	+0·3	+0·6	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·1	+0·4	+0·2	+0·3
Ponta Delgada, 8 h. (1)	−0·2	−0·3	−0·5	0·0	−0·1	−0·1	−0·2	−0·1	−0·3	−0·3	−0·3	−0·3	−0·2
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2
Palma, 8 h. (1)	−0·5	−0·5	−0·6	−0·4	−0·4	−0·5	−0·6	−0·4	−0·6	−0·6	−0·6	−0·4	−0·5
Metlaoui for Tunis, ⅓ (7+13+19) (1)	0·0	−0·1	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·1	+0·1	0·0	−0·1
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Catania, ¼ (7+9+15+21) (2)	0·0	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1	−0·1
Athens, 8 h. (1)	−0·3	−0·6	−0·4	−0·4	−0·4	−0·5	−0·4	−0·5	−0·3	−0·5	−0·5	−0·4	−0·4
Alexandria, 8 h. (1)	−0·4	−0·5	−0·5	−0·5	0·0	0·0	−0·1	−0·1	−0·4	−0·4	−0·5	−0·5	−0·3
Cairo (Helwan), 8 h. (5)	−0·8	−0·8	−0·8	−1·1	−0·8	−0·3	−0·9	−0·8	−0·9	−0·9	−0·9	−0·7	−0·8
Nicosia, 9 h. (1)	−0·8	−1·0	−0·8	−0·8	−0·7	−0·6	−0·7	−0·7	−0·7	−0·8	−1·0	−0·9	−0·8
Lenkoran, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Dehra Dun, 8 h. (6)	−0·6	−0·5	−0·8	−1·1	−1·2	−1·3	−0·9	−0·7	−0·9	−1·0	−0·9	−0·7	−0·9
Zi-Ka-Wei for Hangkow, ⅓ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tiensin, ⅓ (6+14+22) (8)	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Nassau, Bahamas, ½ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Dakhla Oasis, 8 h. (1)	−0·7	−0·3	−0·3	−0·4	−0·5	−0·5	−0·5	−0·4	−0·4	−0·3	−0·7	−0·5	−0·5
Wadi Halfa, 8 h. (1)	−1·2	−1·1	−1·5	−1·5	−1·1	−0·6	−1·3	−1·2	−0·7	−0·4	−1·3	−1·5	−1·1
Suez, 8 h. (1)	−0·8	−0·9	−0·9	−1·0	−1·0	−0·8	−0·9	−0·8	−0·8	−0·9	−0·8	−0·8	−0·9
Aswan, 8 h. (1)	−1·6	−1·6	−1·7	−1·5	−1·7	−1·3	−1·1	−1·1	−1·3	−1·3	−1·6	−1·6	−1·5
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Kurrachee, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Hyderabad, Sind, 8 h. (6)	−1·3	−1·3	−1·5	−1·4	−1·5	−1·3	−1·1	−1·0	−1·2	−1·4	−1·4	−1·3	−1·3
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Phu Lieu for Moncay, ½ (10+16) (9)	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Zone 7.													
Mexico for Morelia and Oaxaca, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Haiti for St. Croix, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0
Haiti for Barbados, ½ (9+15) (1) ..	0·0	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
El Obeid, 8 h. (1)	−2·8	−2·1	−2·3	−1·0	−1·9	−1·8	−1·6	−0·8	−1·6	−2·0	−1·7	−0·9	−1·7
Khartoum, 8 h. (1)	−1·7	−1·6	−1·9	−2·0	−2·1	−2·0	−1·6	−1·6	−1·8	−1·7	−1·8	−1·7	−1·8
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 7.—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Mysore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Waltair, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Zone 8.													
Cothin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Singapore, ⅓ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Zone 9.													
Malden Island, ½ (9+20) (1)	−1·2	−1·0	−1·2	−1·2	−1·2	−0·8	−0·9	−1·0	−1·0	−1·1	−1·1	−1·0	−1·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3
Zone 10.													
Alofi, Niue Island, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
Tahiti, ½ (6+12+18) (10)	−0·5	−0·5	−0·5	−0·5	−0·6	−0·5	−0·6	−0·4	−0·5	−0·5	−0·4	−0·5	−0·5
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Port Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·2
Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·1
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Cape Town, 8½ h. (1)	−0·5	−0·4	−0·2	−0·3	−0·3	−0·3	−0·2	−0·3	−0·4	−0·6	−0·6	−0·4	−0·4
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	0·0
Bourke, ½ (9+15) (1)	+0·1	+0·2	+0·2	+0·3	+0·4	+0·4	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3
Zone 13.													
Hobart, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Hobart for Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2

(1) Prepared in M.O.
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TABLE II.—*Values of True Mean Temperature for* 1912 *at Additional Stations.*

These figures were obtained too late to be incorporated in the tables month by month.

		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.	a.
123.	North Star Bay (1)	249·1	251·0	246·6	259·8	267·8	274·0	277·2	276·5	271·5	262·1	256·0	249·5	261·8
125.	Upernivik (2)	255·3	258·4	252·6	263·5	269·7	276·2	277·5	278·3	274·8	267·9	264·5	258·5	266·4
225.	Jacobshavn (2)	261·7	262·8	258·8	267·6	273·3	279·8	280·2	280·3	276·0	267·1	265·3	261·7	269·5
226.	Godthaab (2)	265·4	267·8	266·1	270·7	273·5	278·8	279·1	279·3	277·1	271·6	269·2	265·4	272·0
231.	Stykkisholm (2)	273·6	269·5	272·2	274·6	279·4	282·8	283·5	280·8	281·7	277·6	273·8	271·2	276·7
232.	Vestmanno (2)	276·8	273·5	275·7	277·4	280·5	282·6	284·0	282·1	281·8	279·3	274·8	273·5	278·5
233.	Grimsey (2)	273·0	268·8	271·3	272·9	276·8	280·6	281·9	279·0	279·5	276·7	272·7	271·7	275·3
234.	Berufjord (2)	273·3	270·3	273·6	275·1	278·5	280·4	282·8	280·6	280·8	277·7	273·1	272·2	276·5
236.	Lerwick (1)	277·0	277·4	278·0	278·0	279·8	281·8	284·3	283·8	282·5	281·1	278·2	278·5	280·0
241.	Haparanda (3)	258·1	255·0	267·5	270·2	278·2	285·6	288·0	286·4	279·7	272·5	269·0	265·4	272·1
243.	Kola (4)	259·0	252·9	265·1	269·2	274·4	280·5	283·9	284·3	277·8	269·4	267·4	264·2	270·8
339.	Copenhagen (5) ..	271·4	271·3	276·9	278·6	283·1	287·6	291·5	288·3	283·8	280·5	276·9	277·6	280·7
438*a*.	Zürich	273·5	277·3	280·4	280·8	286·8	289·2	290·0	287·2	282·1	280·4	275·0	274·4	281·4
439.	Rome (6)	281·8	284·0	285·2	285·5	290·8	294·8	297·6	296·0	290·8	288·8	283·0	282·2	288·2
440*a*.	Buda Pesth (7)	269·5	275·5	280·7	281·9	288·2	292·9	294·1	291·7	284·4	281·2	275·3	275·1	282·5
463.	Vladivostok (4)	261·7	266·7	271·3	277·3	282·3	286·8	291·5	292·8	288·0	279·9	268·9	260·8	277·3
524.	Bermuda (1)	290·5	289·0	291·0	291·5	294·3	297·4	298·6	298·8	298·1	296·6	293·0	291·8	294·2
535.	Casablanca (1)	284·8	287·4	287·7	288·8	292·3	293·2	293·8	293·8	293·8	290·7	286·6	284·0	289·7
536.	Gibraltar (1)	285·9	286·9	287·6	288·1	291·8	293·3	294·2	295·0	293·5	290·9	287·9	286·1	290·1
537.	Algiers (1)	286·1	288·9	288·9	287·8	292·7	294·2	296·6	296·6	293·2	292·7	287·4	286·1	291·0
559.	Hangkow (1)	277·1	280·9	281·6	290·9	295·4	299·9	301·7	301·1	296·1	290·9	282·8	277·4	289·7
560.	Tiensin (1)	269·8	273·9	277·7	286·7	291·9	296·9	298·5	299·3	292·5	284·3	275·4	269·1	284·7
658.	Moncay (1)	286·6	288·8	292·4	295·0	299·7	301·5	300·9	300·2	298·3	297·1	292·4	289·0	295·2
716.	Morelia (1)	285·8	285·1	290·1	291·3	292·7	290·4	..	..	..	..	..	..	..
718*a*.	Oaxaca (1)	290·3	290·4	294·3	295·8	295·6	292·9	293·1	293·3	293·3	293·0	290·1	291·3	292·7
719.	Belize (1)	297·1	296·3	299·1	300·4	300·1	300·2	300·2	299·5	300·4	299·8	296·8	297·7	299·0
724.	Grenada (1)	297·8	298·2	298·3	299·3	299·7	299·0	298·8	299·3	299·6	299·3	299·0	298·1	298·9
733.	Bathurst (1)	295·9	296·2	297·8	296·0	296·6	298·1	299·3	299·3	299·6	300·3	300·2	296·2	298·0
752.	Mysore	294·7	298·6	300·4	301·6	300·7	297·7	296·4	296·8	297·3	296·9	295·4	294·1	297·6
805.	Fanning Island (1) ..	299·4	299·5	299·7	299·8	300·3	300·4	300·9	300·2	299·9	300·1	300·8	300·0	300·1
833.	Conakry (1)	298·9	299·3	299·7	300·0	301·2	300·4	299·3	298·7	299·2	299·8	300·1	300·2	299·7
843.	Entebbe (1)	295·0	294·1	294·5	294·8	294·3	293·8	293·0	293·0	293·7	294·0	293·9	293·7	294·0
905.	Malden Island (1) ..	301·2	300·2	301·6	301·0	301·0	301·1	300·4	300·6	300·1	300·2	300·4	300·8	300·7
940.	Loango (1)	..	299·1	299·7	299·5	299·9	296·6	295·8	295·4	291·5	298·1	298·6	298·9	..
944*a*.	Zanzibar (1)	300·7	300·5	300·5	299·5	299·4	298·3	297·1	297·0	297·8	298·4	299·8	299·9	299·0
1007.	Tahiti (1)	300·5	299·5	299·9	299·6	299·1	298·8	298·1	298·1	297·6	298·4	299·5	299·7	299·1
1021.	Arica (1)	295·1	295·7	294·6	293·2	290·9	290·0	289·2	288·7	289·6	290·8	291·5	293·1	291·9
1022.	Arequipa (8)	289·2	288·5	288·4	288·1	288·1	287·8	286·3	286·9	286·9	286·6	286·2	287·7	287·6
1044.	Zomba (1)	295·6	295·2	293·3	294·1	292·0	288·8	287·8	289·2	291·9	293·1	296·7	293·8	292·6
1045.	Tamatave (1)	..	..	..	..	..	295·8	294·7	295·1	296·6	297·7	299·0	299·3	..
1064.	Daly Waters (1) ..	303·4	302·2	301·5	299·2	296·4	294·0	293·7	294·6	300·9	302·9	303·4	304·3	299·7
1121.	Coquimbo (1)	289·6	290·2	289·9	287·9	286·5	285·4	284·0	285·8	285·9	286·9	287·0	288·6	287·3
1122.	Antofagasta (1) ..	292·9	293·6	293·4	290·7	289·7	287·9	287·8	289·7	291·1	291·9	292·5	294·7	291·3
1164.	William Creek (1) ..	300·8	302·7	299·7	292·2	288·3	284·4	284·3	287·7	290·7	294·7	295·4	300·7	293·5
1221.	Punta Angeles (1) ..	289·3	289·5	289·0	286·7	285·6	284·6	283·0	284·9	285·3	286·7	287·3	288·3	286·8
1239.	Cape Town (1)	292·5	291·7	292·4	289·5	286·5	287·6	284·6	284·9	285·3	289·1	289·3	292·7	288·8
1264.	Adelaide (1)	295·1	293·4	294·5	289·0	288·5	285·1	284·0	285·3	286·9	289·1	290·5	293·8	290·0
1265.	Melbourne (1)	292·0	293·8	291·5	287·3	284·5	283·0	282·1	283·8	285·3	287·0	288·9	290·0	287·4
1321.	Punta Corona (1) ..	284·8	284·8	284·8	283·9	282·3	281·3	281·4	281·0	281·6	282·4	282·1	284·4	282·9
1322.	Punta Galera (1) ..	285·5	285·4	285·4	284·7	283·2	282·6	282·1	282·0	282·4	283·1	283·2	285·3	283·7
1365.	Hobart (1)	288·3	290·0	287·4	284·5	282·6	281·4	280·1	282·0	282·6	284·1	285·6	283·1	284·7
1421.	Evangelistas (1) ..	282·1	280·7	280·7	280·5	278·2	278·4	278·3	276·6	277·7	279·3	277·8	280·1	279·1
1423.	Dungeness (1)	284·9	283·3	282·5	281·3	277·8	276·6	276·6	275·4	277·4	280·0	279·5	282·5	279·8

(1) Prepared in M.O.
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TABLES FOR CONVERTING FROM BRITISH TO METRIC UNITS, AND *VICE VERSA*.

TABLE III.—PRESSURE. *Equivalents in Millibars of Inches of Mercury at 32° F. and 45° Latitude.*

For brevity, the fundamental equations may be written :—

g_{45} = 980·617 cm/sec².
density of mercury at normal freezing-point of water = 13·5955.
1 mercury-inch = 33·8632 millibars ; 1 millimetre = 1·33320 millibars.
1000 millibars = 1 bar = 29·5306 mercury-inches = 750·076 millimetres.
using 1 inch = 2·54000 cm.

Inches and Tenths.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
27·0	914·3	914·6	915·0	915·3	915·7	916·0	916·3	916·7	917·0	917·4
27·1	917·7	918·0	918·4	918·7	919·0	919·4	919·7	920·1	920·4	920·7
27·2	921·1	921·4	921·8	922·1	922·4	922·8	923·1	923·4	923·8	924·1
27·3	924·5	924·8	925·1	925·5	925·8	926·2	926·5	926·8	927·2	927·5
27·4	927·9	928·2	928·5	928·9	929·2	929·5	929·9	930·2	930·6	930·9
27·5	931·2	931·6	931·9	932·3	932·6	932·9	933·3	933·6	933·9	934·3
27·6	934·6	935·0	935·3	935·6	936·0	936·3	936·7	937·0	937·3	937·7
27·7	938·0	938·3	938·7	939·0	939·4	939·7	940·0	940·4	940·7	941·1
27·8	941·4	941·7	942·1	942·4	942·8	943·1	943·4	943·8	944·1	944·4
27·9	944·8	945·1	945·5	945·8	946·1	946·5	946·8	947·2	947·5	947·8
28·0	948·2	948·5	948·8	949·2	949·5	949·9	950·2	950·5	950·9	951·2
28·1	951·6	951·9	952·2	952·6	952·9	953·2	953·6	953·9	954·3	954·6
28·2	954·9	955·3	955·6	956·0	956·3	956·6	957·0	957·3	957·7	958·0
28·3	958·3	958·7	959·0	959·3	959·7	960·0	960·4	960·7	961·0	961·4
28·4	961·7	962·1	962·4	962·7	963·1	963·4	963·7	964·1	964·4	964·8
28·5	965·1	965·4	965·8	966·1	966·5	966·8	967·1	967·5	967·8	968·1
28·6	968·5	968·8	969·2	969·5	969·8	970·2	970·5	970·9	971·2	971·5
28·7	971·9	972·2	972·6	972·9	973·2	973·6	973·9	974·2	974·6	974·9
28·8	975·3	975·6	975·9	976·3	976·6	977·0	977·3	977·6	978·0	978·3
28·9	978·6	979·0	979·3	979·7	980·0	980·3	980·7	981·0	981·4	981·7
29·0	982·0	982·4	982·7	983·0	983·4	983·7	984·1	984·4	984·7	985·1
29·1	985·4	985·8	986·1	986·4	986·8	987·1	987·5	987·8	988·1	988·5
29·2	988·8	989·1	989·5	989·8	990·2	990·5	990·8	991·2	991·5	991·9
29·3	992·2	992·5	992·9	993·2	993·5	993·9	994·2	994·6	994·9	995·2
29·4	995·6	995·9	996·3	996·6	996·9	997·3	997·6	997·9	998·3	998·6
29·5	999·0	999·3	999·6	1000·0	1000·3	1000·7	1001·0	1001·3	1001·7	1002·0
29·6	1002·4	1002·7	1003·0	1003·4	1003·7	1004·0	1004·4	1004·7	1005·1	1005·4
29·7	1005·7	1006·1	1006·4	1006·8	1007·1	1007·4	1007·8	1008·1	1008·4	1008·8
29·8	1009·1	1009·5	1009·8	1010·1	1010·5	1010·8	1011·2	1011·5	1011·8	1012·2
29·9	1012·5	1012·8	1013·2	1013·5	1013·9	1014·2	1014·5	1014·9	1015·2	1015·6
30·0	1015·9	1016·2	1016·6	1016·9	1017·3	1017·6	1017·9	1018·3	1018·6	1018·9
30·1	1019·3	1019·6	1020·0	1020·3	1020·6	1021·0	1021·3	1021·7	1022·0	1022·3
30·2	1022·7	1023·0	1023·3	1023·7	1024·0	1024·4	1024·7	1025·0	1025·4	1025·7
30·3	1026·1	1026·4	1026·7	1027·1	1027·4	1027·7	1028·1	1028·4	1028·8	1029·1
30·4	1029·4	1029·8	1030·1	1030·5	1030·8	1031·1	1031·5	1031·8	1032·2	1032·5
30·5	1032·8	1033·2	1033·5	1033·8	1034·2	1034·5	1034·9	1035·2	1035·5	1035·9
30·6	1036·2	1036·6	1036·9	1037·2	1037·6	1037·9	1038·2	1038·6	1038·9	1039·3
30·7	1039·6	1039·9	1040·3	1040·6	1041·0	1041·3	1041·6	1042·0	1042·3	1042·6
30·8	1043·0	1043·3	1043·7	1044·0	1044·3	1044·7	1045·0	1045·4	1045·7	1046·0
30·9	1046·4	1046·7	1047·1	1047·4	1047·7	1048·1	1048·4	1048·7	1049·1	1049·4

Thousandths of an Inch.

Inch	·001	·002	·003	·004	·005	·006	·007	·008	·009
Millibars	·0	·1	·1	·1	·2	·2	·2	·3	·3

TABLE IV.—PRESSURE. *Equivalents in Millibars of Millimetres of Mercury at 0° C. and 45° Latitude.*

Millimetres.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
700	933·2	934·6	935·9	937·2	938·6	939·9	941·2	942·6	943·9	945·2
710	946·6	947·9	949·2	950·6	951·9	953·2	954·6	955·9	957·2	958·6
720	959·9	961·2	962·6	963·9	965·2	966·6	967·9	969·2	970·6	971·9
730	973·2	974·6	975·9	977·2	978·6	979·9	981·2	982·6	983·9	985·2
740	986·6	987·9	989·2	990·6	991·9	993·2	994·6	995·9	997·2	998·6
750	999·9	1001·2	1002·6	1003·9	1005·2	1006·6	1007·9	1009·2	1010·6	1011·9
760	1013·2	1014·6	1015·9	1017·2	1018·6	1019·9	1021·2	1022·6	1023·9	1025·2
770	1026·6	1027·9	1029·2	1030·6	1031·9	1033·2	1034·6	1035·9	1037·2	1038·6
780	1039·9	1041·2	1042·6	1043·9	1045·2	1046·6	1047·9	1049·2	1050·6	1051·9

Tenths of a Millimetre.

Millimetre.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Millibars.	0·1	0·3	0·4	0·5	0·7	0·8	0·9	1·1	1·2

TABLE V.—TEMPERATURE. *Degrees Fahrenheit to Degrees Absolute.*

The equations are $A = 273 + \frac{5}{9}(F - 32)$, $F = 32 + \frac{9}{5}(A - 273)$.

Degrees Fahrenheit.	0	1	2	3	4	5	6	7	8	9
	Degrees Absolute.									
−100	199·7	199·1	198·6	198·0	197·4	196·9	196·3	195·8	195·2	194·7
90	205·2	204·7	204·1	203·6	203·0	202·4	201·9	201·3	200·8	200·2
80	210·8	210·2	209·7	209·1	208·6	208·0	207·4	206·9	206·3	205·8
70	216·3	215·8	215·2	214·7	214·1	213·6	213·0	212·4	211·9	211·3
60	221·9	221·3	220·8	220·2	219·7	219·1	218·6	218·0	217·4	216·9
50	227·4	226·9	226·3	225·8	225·2	224·7	224·1	223·6	223·0	222·4
40	233·0	232·4	231·9	231·3	230·8	230·2	229·7	229·1	228·6	228·0
30	238·6	238·0	237·4	236·9	236·3	235·8	235·2	234·7	234·1	233·6
20	244·1	243·6	243·0	242·4	241·9	241·3	240·8	240·2	239·7	239·1
10	249·7	249·1	248·6	248·0	247·4	246·9	246·3	245·8	245·2	244·7
− 0	255·2	254·7	254·1	253·6	253·0	252·4	251·9	251·3	250·8	250·2
+ 0	255·2	255·8	256·3	256·9	257·4	258·0	258·6	259·1	259·7	260·2
10	260·8	261·3	261·9	262·4	263·0	263·6	264·1	264·7	265·2	265·8
20	266·3	266·9	267·4	268·0	268·6	269·1	269·7	270·2	270·8	271·3
30	271·9	272·4	273·0	273·6	274·1	274·7	275·2	275·8	276·3	276·9
40	277·4	278·0	278·6	279·1	279·7	280·2	280·8	281·3	281·9	282·4
50	283·0	283·6	284·1	284·7	285·2	285·8	286·3	286·9	287·4	288·0
60	288·6	289·1	289·7	290·2	290·8	291·3	291·9	292·4	293·0	293·6
70	294·1	294·7	295·2	295·8	296·3	296·9	297·4	298·0	298·6	299·1
80	299·7	300·2	300·8	301·3	301·9	302·4	303·0	303·6	304·1	304·7
90	305·2	305·8	306·3	306·9	307·4	308·0	308·6	309·1	309·7	310·2
100	310·8	311·3	311·9	312·4	313·0	313·6	314·1	314·7	315·2	315·8
110	316·3	316·9	317·4	318·0	318·6	319·1	319·7	320·2	320·8	321·3
120	321·9	322·4	323·0	323·6	324·1	324·7	325·2	325·8	326·3	326·9
+130	327·4	328·0	328·6	329·1	329·7	330·2	330·8	331·3	331·9	332·4

Tenths of a Degree.

Degrees Fahrenheit.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Degrees Absolute.	0·1	0·1	0·2	0·2	0·3	0·3	0·4	0·4	0·5

TABLE VI.—RAINFALL. *Inches to Millimetres.*

Inches.	0	1	2	3	4	5	6	7	8	9
	Millimetres.									
0·0	0·00	0·25	0·51	0·76	1·02	1·27	1·52	1·78	2·03	2·29
0·1	2·54	2·79	3·05	3·30	3·56	3·81	4·06	4·32	4·57	4·83
0·2	5·08	5·33	5·59	5·84	6·10	6·35	6·60	6·86	7·11	7·37
0·3	7·62	7·87	8·13	8·38	8·64	8·89	9·14	9·40	9·65	9·91
0·4	10·16	10·41	10·67	10·92	11·18	11·43	11·68	11·94	12·19	12·45
0·5	12·70	12·95	13·21	13·46	13·72	13·97	14·22	14·48	14·73	14·99
0·6	15·24	15·49	15·75	16·00	16·26	16·51	16·76	17·02	17·27	17·53
0·7	17·78	18·03	18·29	18·54	18·80	19·05	19·30	19·56	19·81	20·07
0·8	20·32	20·57	20·83	21·08	21·34	21·59	21·84	22·10	22·35	22·61
0·9	22·86	23·11	23·37	23·62	23·88	24·13	24·38	24·64	24·89	25·15
1·0	25·40	25·65	25·91	26·16	26·42	26·67	26·92	27·18	27·43	27·69
1·1	27·94	28·19	28·45	28·70	28·96	29·21	29·46	29·72	29·97	30·23
1·2	30·48	30·73	30·99	31·24	31·50	31·75	32·00	32·26	32·51	32·77
1·3	33·02	33·27	33·53	33·78	34·04	34·29	34·54	34·80	35·05	35·31
1·4	35·56	35·81	36·07	36·32	36·58	36·83	37·08	37·34	37·59	37·85
1·5	38·10	38·35	38·61	38·86	39·12	39·37	39·62	39·88	40·13	40·39
1·6	40·64	40·89	41·15	41·40	41·66	41·91	42·16	42·42	42·67	42·93
1·7	43·18	43·43	43·69	43·94	44·20	44·45	44·70	44·96	45·21	45·47
1·8	45·72	45·97	46·23	46·48	46·74	46·99	47·24	47·50	47·75	48·01
1·9	48·26	48·51	48·77	49·02	49·28	49·53	49·78	50·04	50·29	50·55
2·0	50·80	51·05	51·31	51·56	51·82	52·07	52·32	52·58	52·83	53·09

ADDITIONS AND CORRECTIONS.

GEOGRAPHICAL CO-ORDINATES.

225. Jacobshavn . . . Long., *for* 51° 22′, *read* 51° 2′.
564. Tokio . . . . Long., *for* 138° 45′, *read* 139° 45′.
719. Belize . . . . Lat., *for* 19° 29′, *read* 17° 29′.
733. Bathurst . . . Height, *for* 5 m., *read* 1·5 m.
734. M'Carthy Is. . . . Height, *for* 3·5 m., *read* 1·1 m.
740. Katagum . . . Height, *for* 32·9 m., *read* 329 m.
765. Guam . . . . Lat., *for* 18° 24′, *read* 13° 24′.
1141. Johannesburg . . Height, *for* 1874 m., *read* 1806 m.
1142*a*. Pretoria . . . Height, *for* 1576 m., *read* 1338 m.
1301. Chatham Is. . . . Long., *for* 170° 42′, *read* 176° 42′.

January.
716. Morelia . . . . T. mean, *for* 287·4, *read* 286·0.
1022. Arequipa . . . P. diff., *for* +1·2, *read* 0·0.
1125. Goya . . . . T. diff., *insert* 0·0.

February.
825. Georgetown, Brit. Guiana P. diff., *insert* +1·5; T. diff., *insert* +1·5; R. diff., *insert* −138.
1022. Arequipa . . . P. diff., *for* +1·3, *read* +0·2.

March.
825. Georgetown, Brit. Guiana P. diff., *insert* +1·7; T. diff., *insert* +0·7; R. diff., *insert* −161.
1022. Arequipa . . . P. diff., *for* +1·0, *read* −0·2.
1161. Nullagine . . . T. diff., *for* +1·2, *read* −1·2.

April.
1022. Arequipa . . . P. diff., *for* +1·6, *read* +0·5.
1063. Port Darwin . . . T. diff., *for* +0·3, *read* −0·3.
1167. Rockhampton . . T. diff., *for* −1·3, *read* +1·3.

May.
940. Loango . . . . *Delete* T. diff. +0·6.
1022. Arequipa . . . P. diff., *for* +1·2, *read* +0·1.

June.
716. Morelia . . . . T. mean, *for* ?292·0, *read* 291·4.
1022. Arequipa . . . P. diff., *for* +1·1, *read* −0·1.

RÉSEAU MONDIAL, JANUARY 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1006·6	1007·6	..	..	..	..	..	..	..	249·1	..	..	1	..
124																		
125	Upernivik	72 47	W56 7	18·9	1003·9	1006·4	+0·7	257·8	277·2	20th	252·2	241·5	14th	255·3	+3·2	..	1	−12
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1011·0	1012·5	+5·3	..	276·8	18th	243·8	231·8	28th	..	..	254·7	45	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1006·6	1007·5	+4·9	..	278·3	13th	265·3	260·2	4th	..	−1·2	*268·2*	109	+59
142	Mehavn	71 1	27 47	6·4	1006·7	1007·6	..	..	276·2	13th	264·8	257·5	26th	..	..	*267·5*	51	−25
143	Vardö	70 22	31 8	10·0	1006·7	1008·0	+3·6	..	275·4	17th	263·5	256·8	26th	..	−1·4	*266·0*	73	+ 3
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1002·4	1004·5	−2·7	..	273·8	13th	248·0	232·0	28th	252·4	−4·5	*252·4*	7	0
148		N.	E.															

Between Latitude 70° N. and 60° N. JANUARY—ZONE 2.

203	Nome	N. 64 30	W. 165 24	6·7	1006·5	1007·4	..	267·2	274·1	..	259·0	249·1	..	263·1	..	..	16	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	258·7	268·6	..	251·4	242·4	..	255·1	..	..	2	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	272·0	279·7	..	265·0	254·7	..	268·5	..	..	77	..
208	Eagle	64 46	141 12	248	..	..	..	256·6	272·4	..	248·2	223·6	..	252·4	..	..	2	..
209	Dawson	64 4	139 20	321	981·7	1026·2	+1·8	247·9	266·3	22nd, 23rd	243·0	220·8	13th	245·4	+3·5	..	5	−18
210	Carcross	60 11	134 34	662	..	..	..	257·8	275·8	31st	250·2	235·2	13th	254·0	..	..	12	..
211																		
212	Fort Simpson	61 52	120 43	129	1007·2	1025·3	..	251·3	270·2	7th	242·8	227·2	12th	247·1	..	*247·5*	21	..
213	Hay River	60 51	115 20	161	1000·7	1023·2	..	251·1	264·3	23rd	241·5	227·3	5th	246·3	..	..	7	..
214	Fort Resolution	61 0	113 0	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
225	Jacobshavn	69 13	51 22	12·6	999·1	1000·7	−3·0	265·6	281·2	27th	257·8	250·2	2nd	261·7	+7·9	..	4	− 5
226	Godthaab	64 11	51 44	9	992·7	993·9	−5·2	267·6	279·4	25th	262·7	256·0	1st, 2nd	265·4	+2·1	..	6	− 37
229	Angmagsalik	65 37	37 34	31·7	998·0	1002·0	..	271·0	277·4	19th	264·1	251·0	3rd	267·6	..	..	279	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1002·0	1003·5	+4·0	275·7	280·5	18th	271·0	262·5	31st	273·4	+2·8	..	62	− 8
232	Vestmanno	63 26	20 15	7·7	1002·6	1003·6	+3·6	278·6	281·6	17th	274·6	267·9	3rd	276·6	+2·8	..	106	− 5
233	Grimsey (Akureyri)	66 33	17 58	6·8	1006·3	1007·2	+5·4	275·5	280·1	17th	270·3	262·3	31st	272·9	+2·1	..	9	− 16
234	Berufjord	64 40	14 19	18	1005·9	1008·2	+7·1	276·0	281·2	30th	270·6	262·8	31st	273·3	+1·7	..	93	− 22
235	Thorshavn	62 3	6 45	25·7	1008·3	1011·5	+6·9	278·4	283·9	14th	273·8	268·6	7th 8th	276·1	+0·1	..	97	− 86
236	Lerwick	60 9	W 1 8	18·0	1010·7	1012·9	+6·2	278·1	283·0	1st	275·2	270·8	7th, 8th	276·6	−0·3	..	91	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·4	1015·0	+4·7	..	282·0	1st	270·4	263·8	9th	..	−1·6	*272·6*	93	−110
238	Christiansund	63 7	7 45	17·8	1010·7	1012·9	+5·7	..	283·1	1st	271·8	264·3	31st	..	−0·6	*274·0*	159	+ 47
239	Trondhjem	63 26	10 25	39·5	1008·7	1013·8	+5·5	..	280·9	1st	266·5	257·5	6th	..	−0·7	*269·7*	70	− 36
240	Bodö	67 17	14 24	20·5	1008·3	1010·8	+5·6	..	278·6	1st	266·3	258·2	31st	..	−1·1	*269·3*	62	− 28
241	Haparanda	65 50	24 9	9·2	1013·5	1014·8	+4·1	263·1	273·0	1st	253·8	236·0	27th	258·5	−3·2	..	62	− 28
242	Helsingfors	60 10	24 57	11·7	..	1017·2	+3·4	..	276	..	..	252	..	264·7	−1·7	*264·6*	36	− 3
242*a*	Kuopio	62 54	27 40	99·7	..	1016·8	..	..	276	..	..	239	..	260·3	−2·8	*260·2*	37	− 3
243	Kola	68 53	33 1	6·7	1009·5	1010·4	+2·9	263·5	273·6	14th	255·3	239·3	9th	259·4	−1·9	..	17	..
244	Petrozavodsk	61 47	34 23	38·9	..	1016·7	+1·3	..	272	..	..	238	..	259·2	−3·6	*259·1*	26	+ 19
245	Arkhangelsk	64 33	40 32	6·7	..	1012·2	−0·5	..	270	..	..	237	..	257·6	−1·8	*257·5*	..	..
246	Velsk	61 5	42 7	? 87	1004·6	1016·3	..	..	269·2	3rd	251·9	238·7	5th, 6th	256·4	..	*256·3*	19	− 2
247	Oust-Tsylma	65 27	52 10	? 25	..	1011·1	−0·9	..	274	..	..	227	..	251·3	−3·4	*251·2*	14	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	996·7	1013·4	..	..	272·8	9th	246·4	228·4	22nd	252·9	..	*252·8*	..	..
249	Berezov	63 56	65 4	39·7	1004·7	1010·1	−7·4	..	266·8	10th	245·1	229·7	21st	250·5	+0·9	*250·4*	37	..
250	Obdorsk	66 31	66 35	23·7	1003·8	1007·1	−6·9	..	270·6	14th	244·2	234·3	4th	249·0	+2·1	*248·9*	15	+ 2
251	Sourgout	61 15	73 24	? 40	1008·3	1013·7	−4·1	..	273·4	6th	246·4	224·9	21st, 22nd	253·6	+4·8	*253·4*	10	..
252																	34	..
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1005·1	1007·8	..	..	270·0	16th	240·8	223·3	23rd	247·1	..	*247·1*	12	..
261	Olekminsk	60 22	120 26	? 202	1007·4	1036·1	−2·3	..	264·3	29th	239·2	220·6	2nd	244·1	+6·4	*243·9*	12	..
262	Iakoutsk	62 1	129 43	? 108	1011·8	1027·9	−4·3	..	255·9	16th	229·3	211·3	1st	233·9	+3·9	*233·7*	19	+ 14
263	Verkhoïansk	67 33	133 24	? 100	1004·4	1019·8	−3·2	..	250·2	16th	220·1	211·7	6th	223·9	+1·2	*223·8*	7	+ 3
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	253·3	17th	227·0	212·9	4th	231·4	..	*231·2*	5	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	274·8	277·4	..	270·8	265·2	..	272·8	..	..	107	..
309	Sitka	57 4	135 20	27	1004·8	1008·1	+3·1	278·7	285·8	..	272·4	264·1	..	275·6	+2·7	..	81	— 31
310	Prince Rupert	54 18	130 18	52	..	1009·6	..	277·5	285·2	21st, 23rd	271·3	259·7	10th	274·4	..	..	112	..
311	Barkerville	53 2	121 35	1274	..	1015·6	..	266·3	277·4	29th	258·3	239·7	10th, 11th	262·3	−3·2	*262·3*	22	— 47
312	Kamloops	50 41	120 29	379	..	1020·1	−0·5	268·1	281·6	29th	261·2	245·2	2nd	264·7	−4·3	*264·7*	30	+ 6
313	Calgary	51 2	114 2	1033	..	1017·8	−2·2	267·3	281·9	15th, 29th	257·2	238·6	11th	262·2	−0·1	*262·2*	15	+ 4
314	Fort Chipewyan	58 42	111 10	218	992·4	1022·7	..	252·2	261·9	25th	240·1	230·2	10th	246·2	..	*245·7*	8	..
315	Prince Albert	53 10	106 0	436	963·4	1022·2	+3·9	253·2	274·1	30th	243·4	225·8	11th	248·3	−5·1	*248·5*	0	— 23
316	Qu'Appelle	50 30	103 47	645	..	1019·4	+1·1	254·9	275·2	30th	246·3	229·1	11th	250·6	−5·8	*250·8*	9	— 5
317	Minnedosa	50 15	99 50	518	..	1020·8	..	253·3	270·5	31st	243·1	230·2	10th, 11th	248·2	−6·7	*248·5*	12	— 17
318	Berens River	52 18	97 23	216	..	..	..	247·9	259·1	24th	238·5	231·3	10th	243·2	..	*243·6*	20	..
318*a*	York Factory	57 0	92 28	11	1014·6	1016·2	−0·4	..	266·3	30th	237·8	230·2	3rd, 6th	242·8	..	..	..	..
319	Fort Hope	51 32	87 48	..	982·7	..	..	249·3	260·2	17th	238·2	230·2	6th	243·8	..	..	10	..
320	Moose Factory	51 16	80 56	9	1015·4	1016·8	..	253·4	261·3	18th	241·7	226·9	7th	247·6	..	..	6	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1001·8	1002·3	−5·3	255·8	274·1	..	249·1	237·7	..	252·5	−0·3	..	..	..
325	Davis Inlet	55 50	60 50	..	1003·3	..	..	264·5	266·9	30th	255·7	234·7	4th, 5th	260·1	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	271·9	20th	..	248·6	9th	259·7	−2·6	..	13	— 60
327	Belle Isle	51 55	55 20	133	984·4	1001·7	..	263·4	273·6	20th	256·6	251·9	8th	260·0	..	..	53	..
334	Valencia	51 56	10 15	13·7	1007·5	1009·0	−6·0	281·7	284·1	8th	278·3	272·4	27th	280·0	0·0	280·2	191	+ 45
335	Aberdeen	57 10	2 6	27·4	1010·1	1013·5	+2·5	278·4	285·2	1st	274·8	270·2	8th	276·6	+0·5	276·7	73	+ 18
336	Greenwich	51 28	W 0 0	48·5	1008·1	1014·1	−1·1	280·2	283·6	6th	275·2	265·8	29th	277·7	+1·1	277·7	77	+ 26
337	Uccle	50 48	E 4 22	100	1003·3	1015·8	−1·2	278·8	283·0	20th	273·6	265·2	28th	276·2	+1·4	*276·2*	72	+ 8
338	De Bilt	52 6	5 11	3·0	1015·3	1015·7	−1·6	277·6	282·0	5th, 25th	272·4	263·7	18th	275·0	0	275·0	62	+ 11
338*a*	Hamburg	53 33	9 59	26·0	1013·9	1017·2	−0·3	273·4	280·9	3rd	269·1	260·9	15th	271·3	−0·1	271·2	43	— 1
339	Copenhagen	55 41	12 36	5·0	1017·5	1018·1	+3·0	273·4	281·4	3rd	269·0	262·9	28th	271·2	−1·0	..	31	— 2
340	Potsdam	52 23	13 4	84·9	1007·1	1018·1	+0·9	272·6	280·5	2nd	266·7	256·9	14th	269·7	−3·1	269·4	39	— 1
340*a*	Upsala	59 51	17 38	24·0	1014·3	1017·4	+4·6	268·8	279·2	2nd	261·5	248·3	27th	265·2	−3·4	265·6	13	— 14
341	Warsaw	52 15	21 1	120	1004·0	1019·6	+0·5	..	..	3rd	261·7	250·4	29th	265·6	−1·1	*265·5*	43	+ 15
342	Jurjev	58 23	26 43	74·5	1009·4	1019·4	+3·4	265·1	275·6	2nd	258·2	248·2	27th	261·6	−1·1	*261·9*	10	— 2
343	Petrograd	59 56	30 16	4·8	..	1018·2	+2·4	..	275	..	..	248	..	261·2	−2·5	*261·1*	27	+ 20
344	Kiev	50 27	30 30	182·9	..	1019·4	−2·0	..	277	..	..	251	..	264·4	−2·3	*264·3*	57	+ 15
344*a*	Moscow	55 45	37 34	156	..	1020·7	+0·1	..	274	..	..	243	..	258·0	−4·0	*257·9*	15	— 13
345	Saratov	51 32	46 3	59·9	..	1020·4	−0·8	..	275	..	..	248	..	263·7	+2·0	*263·6*	42	+ 14
346	Kazan	55 47	49 8	79·8	1009·0	1019·8	−3·3	..	274·4	9th	..	243·2	7th	258·2	−0·8	*258·1*	37	+ 12
347	Orenburg	51 45	55 6	114·1	..	1022·0	−4·6	..	275	..	..	244	..	263·3	+6·0	*263·1*	40	+ 15
348	Perm	58 1	56 15	163·0	..	1016·4	..	..	274	..	..	236	..	257·4	+0·4	*257·2*	58	+ 43
349	Ekaterinburg	56 50	60 38	288·9	..	1017·9	−6·1	..	273	..	..	243	..	260·1	+3·6	*259·9*	16	+ 2
350	Tobolsk	58 12	68 14	108·3	1003·6	1018·1	..	..	274·1	30th	252·9	230·6	22nd	257·7	+3·8	*257·5*	37	+ 15
351	Akmolinsk	51 12	71 23	? 347	983·6	1029·3	−1·5	..	270·3	30th	255·7	242·4	18th	259·4	+4·9	*259·2*	21	+ 11
352	Omsk	54 58	73 23	87·9	1012·2	1024·1	−3·4	..	271·9	30th	252·3	233·5	23rd	257·0	+3·5	*256·8*	8	+ 2
353	Barnaoul	53 20	83 47	162·2	1009·9	1031·7	−0·6	..	273·8	7th	252·6	235·0	17th	257·6	+3·5	*257·3*	38	+ 15
354	Tomsk	56 30	84 58	121·6	1010·6	1027·2	−2·2	..	272·8	7th	251·5	228·4	23rd	256·8	+3·5	*256·6*	43	+ 15
355	Minousinsk	53 43	91 41	? 255	1000·3	1034·8	..	..	273·6	30th	249·6	233·9	1st	255·1	..	*254·8*	1	— 1
356	Eniseisk	58 27	92 11	84·4	1015·8	1027·4	−3·8	..	271·5	7th	249·6	228·1	24th	254·2	+4·7	*254·0*	25	+ 7
357	Irkutsk	52 16	104 19	467·0	973·1	1035·6	+0·4	..	268·7	31st	248·1	239·7	16th	253·9	+1·7	*253·6*	4	— 14
358	Kirensk	57 47	108 7	? 263	996·4	1032·2	..	..	268·5	6th	246·7	234·3	15th, 26th	252·4	..	*252·2*	19	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	265·4	7th	242·7	225·4	27th	248·4	..	*248·2*	14	..
360*a*	Nertchinsk	51 59	116 35	484·3	967·0	1033·7	..	..	264·6	4th	240·1	231·3	1st	245·4	−0·9	*245·1*	2	..
361	Tygan Ourkan	54 5	124 46	? 370	978·4	1028·8	..	..	264·6	18th	242·2	224·7	2nd	249·6	..	*249·3*	5	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	260·2	31st	237·9	228·6	2nd, 3rd	245·1	..	*244·9*	3	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1014·3	1017·2	−0·4	254·6	264·7	..	246·7	235·9	..	251·7	+1·9	*251·5*	16	..
366	Okhotsk	59 21	143 17	6·0	1014·7	1015·6	−0·2	249·7	258·0	..	241·9	234·0	..	245·8	−3·8	*245·6*	3	..
368	Petropavlovsk	52 53	158 47	87·1	994·2	1005·6	+3·7	265·6	272·0	..	259·7	251·3	..	262·7	−1·4	..	126	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	25·9	..	1015·5	−1·8	279·8	284·4	24th	275·8	268·3	1st	277·8	+0·3	277·9	105	− 10
412	Portland, Oregon	45 32	122 41	46·6	1012·5	1017·9	−0·7	280·8	287·4	12th	275·3	266·3	8th	278·2	+1·3	*277·9*	203	+ 38
413	Macleod	49 44	113 24	954	..	..	..	271·1	281·9	15th	259·2	236·3	10th	265·2	−1·3	*265·2*	18	+ 7
414	Helena	46 34	112 4	1253	872·4	1019·6	−1·4	272·1	285·2	14th	263·2	245·2	10th	267·7	+1·3	*267·7*	15	− 8
414*a*	Salt Lake City	40 46	111 54	1331	869·8	1021·0	0·0	278·7	287·4	25th	270·0	258·6	3rd	274·3	+3·1	*274·1*	19	− 15
415	Cheyenne	41 8	104 48	1856	809·0	1016·9	−0·7	276·7	287·4	15th	264·6	251·9	6th	270·6	+1·2	*270·4*	11	0
416	North Platte	41 8	100 45	860	917·7	1022·7	+2·7	268·7	281·3	26th	257·2	242·4	12th	262·9	−4·2	*262·6*	19	+ 8
416*a*	Bismarck	46 47	100 38	510·2	957·8	1023·0	+2·7	259·7	276·9	30th	249·8	234·1	12th	254·7	−4·2	*255·0*	5	− 10
417	Winnipeg	49 53	97 7	231·6	..	1022·1	+1·8	253·5	269·0	31st	244·2	232·3	11th	248·8	−4·9	*249·2*	8	− 17
418	Duluth	46 47	92 6	345·3	976·0	1021·0	+2·0	255·8	266·9	29th	246·7	235·2	7th	251·2	−9·8	*251·3*	12	− 13
419	Port Arthur	48 27	89 12	196·3	..	1019·6	+1·0	256·6	268·0	29th	245·3	235·2	7th	250·9	−8·2	*250·9*	7	− 11
420	Chicago	41 53	87 37	250·9	988·4	1020·3	+1·0	265·6	276·3	23rd	258·1	246·3	7th	261·8	−6·6	*261·9*	21	− 30
421	Toronto	43 40	79 24	106·7	..	1017·2	+1·1	267·1	276·6	18th	258·8	248·7	13th	262·9	−5·0	261·9	75	+ 4
422	New York	40 43	74 0	111·3	1005·2	1017·3	+2·0	272·7	284·1	19th	263·8	253·6	13th	268·3	−3·7	268·3	47	− 48
423	St. John, N.B.	45 17	66 4	21·3	..	1012·8	+3·1	267·2	280·9	19th	258·2	248·2	13th	262·7	−3·5	*262·9*	78	− 37
424	S. W. Point, Anticosti	49 24	63 35	9	1007·5	1008·7	..	264·2	274·1	10th	254·5	244·7	24th	259·3	..	..	20	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1001·2	−10·0	270·3	281·9	20th	263·4	255·8	14th	266·9	−1·8	..	188	+ 28
435	Madrid	40 24	3 41	655·4	941·4	1017·4	−4·5	282·1	286·1	8th	273·1	265·6	31st	277·6	−0·4	277·1	42	+ 8
436	Nantes	47 15	W 1 34	41·4	..	1015·6	−3·2	281·6	286·2	24th	276·9	269·7	29th	279·3	+1·2	*279·0*	70	+ 12
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1016·3	−2·0	280·3	285·6	6th	274·6	268·0	28th, 29th	277·7	+1·6	276·9	53	+ 17
438	Marseilles	43 18	5 23	75·0	..	1015·4	−1·6	284·6	288·8	23rd	278·3	271·0	31st	281·5	+1·5	*280·8*	27	− 11
438*a*	Zürich	47 23	8 33	493·2	958·6	1017·0	−5·2	..	281·2	7th	..	263·5	30th	273·5	+1·9	..	80	+ 31
439	Rome	41 54	12 29	63·4	..	1015·9	−1·2	285·2	289	24th	279·2	271	9th	282·2	+1·9	..	102	+ 23
440	Vienna	48 15	16 22	202·5	993·8	1019·5	−0·9	272·3	284·3	7th	267·7	258·0	18th	270·0	−0·5	*270·0*	26	− 11
440*a*	Buda-Pesth	47 30	19 2	129·6	1004·1	1021·3	−0·4	273·1	282·7	7th	266·9	256·6	15th	270·0	−1·2	..	25	− 14
441	Bucharest	45 25	26 6	82	1010·6	1021·2	−0·1	..	282·8	27th	..	251·0	16th	267·1	−2·0	..	47	+ 16
443	Odessa (University)	46 29	30 46	65·3	1011·1	1019·7	−2·1	270·8	278·4	6th, 7th	264·0	255·1	19th	267·4	−2·3	*267·3*	43	+ 19
444	Kharkov (University)	50 0	36 14	140	..	1020·7	−0·5	..	275	..	..	246	..	263·6	−1·1	*263·5*	73	+ 48
444*a*	Novorossiisk	44 40	37 49	37	..	1019·2	..	..	284	..	..	259	..	276·3	+1·5	*276·2*	191	+ 86
445	Tiflis	41 43	44 48	409	..	1022·2	−1·0	..	287	..	..	262	..	274·7	+1·5	*274·6*	10	− 5
446	Astrakhan	46 21	48 2	−14	..	1021·6	−2·8	..	282	..	..	255	..	268·8	+3·0	*268·6*	5	− 10
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1022·4	..	..	289	..	..	266	..	276·5	+1·8	*276·4*	..	..
449	Tachkent	41 20	69 18	478·3	967·5	1026·4	−0·7	278·4	289·5	1st	270·2	262·4	23rd	274·3	+2·4	*273·6*	8	− 30
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	19th, 31st	246·6	242·8	5th	257·0	+0·4	*256·8*	6	..
452	Vernyi	43 16	76 53	? 835	926·7	1030·9	+2·5	270·7	283·0	1st	..	..	..	265·4	+1·2	*265·2*	25	− 3
461	Mukden	41 48	123 23	43·8	1024·0	1030·0	+2·3	268·4	275·4	20th	255·4	251·0	15th, 16th	261·9	+1·8	261·5	0	− 5
462	Joshin	40 40	129 11	4·0	1022·4	1022·9	+0·3	273·8	278·7	4th	262·3	258·1	24th	268·1	+0·3	267·2	5	− 15
463	Vladivostok	43 7	131 54	26·8	1020·3	1023·8	−0·5	266·4	275·5	..	257·2	250·1	..	261·8	+3·5	..	2	..
464																		
465	Ochiai	47 20	142 44	15·0	1012·8	1014·7	..	266·6	274·5	6th	250·7	233·8	29th	258·7	..	259·0	58	..
466	Nemuro	43 20	145 35	26·7	1007·4	1010·8	−0·3	272·0	278·5	1st	264·1	258·1	3rd	268·1	+0·3	268·4	27	+ 3
		N.	E.															

Between Latitude 40° N. and 30° N.

JANUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1014·7	1020·6	+1·0	286·6	291·3	31st	281·4	277·4	3rd	284·0	+1·3	*283·8*	63	− 48
512	San Luis Obispo	35 18	120 39	61·3	1013·2	1020·6	+1·7	290·6	301·9	14th	280·1	273·6	4th	285·3	+1·8	*285·1*	71	− 48
513	Modena	37 48	113 54	1670	835·0	1021·3	+2·0	279·4	286·3	25th	262·9	246·3	2nd	271·2	+0·7	*271·0*	0	− 18
514	San Diego	32 43	117 10	26·5	1015·3	1018·6	+0·3	291·3	300·8	21st	282·4	277·4	3rd	286·9	+1·7	*286·7*	17	− 33
515	Santa Fé	35 41	105 57	2138	786·1	1020·6	+3·4	277·9	285·2	26th	264·7	257·4	2nd	271·3	+2·2	*271·0*	1	− 15
516	Denver	39 45	105 0	1613	834·7	1016·6	−1·0	280·8	293·0	15th	266·0	251·9	7th	273·4	+2·1	*273·1*	3	− 8
517	Abilene	32 23	99 40	529·7	957·4	1020·6	+1·7	285·3	300·2	26th	269·9	256·3	12th	277·6	−1·3	*277·4*	0	− 23
518	Saint Louis	38 38	90 12	172·8	999·4	1021·0	+0·3	270·8	287·4	22nd	262·4	247·4	7th	266·6	−5·9	*266·5*	33	− 25
519	Mobile	30 41	88 2	17·4	1017·9	1020·0	−1·0	286·9	295·2	26th	276·7	268·0	13th	281·8	−1·1	*281·5*	102	− 20
520	Nashville	36 10	86 47	166·4	1000·9	1021·3	0·0	278·4	289·7	26th	267·9	251·9	7th	273·2	−3·2	*273·0*	74	− 48
521	Charleston	32 47	79 56	14·6	1017·4	1018·9	−2·0	285·1	295·8	27th	276·2	266·3	13th	280·7	−1·9	*280·5*	98	+ 10
522	Washington	38 54	77 3	34·1	1014·9	1019·3	−1·0	273·6	287·4	23rd	264·6	248·0	14th	269·1	−4·4	*269·0*	72	− 13
523																		
524	Bermuda	32 17	64 46	46·0	..	1018·5	−2·0	293·4	296·3	2nd	287·7	284·0	11th	290·6	+0·6	..	166	+ 42
531	Horta	38 32	28 38	30	..	1016·2	−6·4	289·2	292	12th	285·9	281	10th	287·6	−0·3	..	50	− 70
532	Ponta Delgada	37 44	25 40	17	..	1017·6	−2·0	289·1	292	2nd, 12th	285·1	282	sev. dates	287·1	0·0	..	73	− 33
533	Madeira (Funchal)	32 37	16 54	25	1016·8	1019·8	..	291·1	293·0	3, 5, 6	281·6	278·4	22nd	286·3	..	..	129	+ 26
534	Lisbon	38 43	9 9	95·4	1005·4	1017·0	−4·7	286·5	289·3	11th	281·5	278·3	4th, 20th	284·0	+0·6	*283·9*	111	+ 21
535	Casablanca	33 37	7 35	17	1016·4	1018·8	..	..	..	..	..	280·6	..	286·1	+1·2	..	95	+ 55
536	Gibraltar	36 6	5 21	16	1013·5	1015·5	−4·1	288·9	291·9	4, 14, 15	283·1	279·7	28th	286·0	−0·2	..	209	+ 80
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·8	−0·8	290·0	294·1	22nd	283·4	277·7	31st	286·7	+0·9	..	132	+ 28
538	Palma	39 33	2 42	..	..	1017·1	−1·5	288·4	291	8th	281·7	278	30th, 31st	285·0	..	..	46	..
538a	Tunis	36 48	10 10	43	..	1018·4	−0·7	289·0	294·2	23rd	281·0	277·0	30th	285·0	+1·5	..	20	− 26
539	Malta	35 54	14 31	59	..	1018·6	+0·9	288·4	292	9th	284·4	281	2nd, 3rd	286·4	+1·2	..	93	+ 7
540	Catania	37 30	15 3	64·9	..	1017·5	+0·1	287·1	291·7	8th	281·1	276·2	2nd, 3rd	284·1	+0·9	..	133	+ 38
541	Athens	37 58	23 43	107·1	..	1019·1	+0·4	283·3	289	28th	277·6	272	2, 3, 10	280·4	−1·2	*280·2	41	− 13
542	Alexandria	31 9	29 54	32·0	..	1020·2	+1·2	290·9	300	29th	283·3	280	16th	287·1	−0·1	*287·1	21	− 35
543	Cairo (Helwan)	29 52	31 20	115·6	..	1020·8	+0·8	291·4	302	29th	280·8	277	12th	286·1	+0·5	285·8	1	− 9
544	Nicosia	35 12	33 24	22·1	..	..	..	288·3	293	23rd	276·1	272	25th	282·2	+0·1	..	61	− 5
544a	Beirut	33 54	35 28	52·4	..	1018·4	+0·7	288·8	296	30th	282·7	280	21st	285·8	−0·3	..	213	+ 33
545	Baghdad	33 21	44 28	38·7	1017·5	1022·3	+1·7	286·8	292·7	30th	277·1	273·0	21st	282·0	−0·6	..	26	0
546	Lenkoran	38 46	48 52	−19	1024·4	1022·0	−1·2	..	289·4	9th	274·6	267·9	23rd	277·2	+1·3	*277·1	98	− 24
547	Busrah	30 31	47 53	7·6	1020·9	1022·1	..	286·8	293·8	1st	280·2	276·1	27th	283·5	−0·3	..	31	+ 2
548	Meshed	36 16	59 35	946	908·9	1023·2	..	280·3	291·8	1st	266·9	250·8	22nd	273·6	+0·1	..	24	+ 5
549	Quetta	30 11	67 3	1677	835·7	..	+1·1	282·7	290·6	2nd	272·8	267·3	22nd	277·8	+0·2	*277·4	118	+ 70
550																		
551	Lahore	31 34	74 20	214	993·7	1019·6	+1·0	292·4	296·3	2nd, 3rd	280·9	277·6	1st	286·7	+1·0	*285·6	57	+ 30
551a	Simla	31 7	77 8	2204·3	782·7	..	+1·6	281·1	288·6	28th	275·8	271·9	15th	278·4	+1·3	*278·0	97	+ 30
552	Leh	34 10	77 42	3506	664·4	..	−0·3	273·3	278·2	11th	259·7	254·1	25th	266·5	+0·6	*265·4	14	+ 4
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	50	− 8
559	Hang Kow	30 35	114 17	37·0	1025·6	1030·2	+3·0	280·8	285·7	21st	274·2	269·6	30th	277·5	0·0	..	24	− 54
560	Tiensin	39 10	117 10	5·0	1030·6	1031·3	+3·1	274·9	281·3	5th	264·8	261·0	13th	269·9	+0·8	..	0	− 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1028·9	+2·6	280·5	285·3	21st	272·2	267·6	3rd	276·4	−0·1	275·7	42	− 15
562	Chemulpo	37 29	126 32	67·6	1018·2	1026·7	+2·0	273·1	278·7	5th	265·9	260·6	2nd	269·5	−1·4	269·2	2	− 11
562a	Nagasaki	32 44	129 52	133·0	1006·9	1023·5	+1·7	280·9	285·7	21st	275·2	272·0	29th	278·1	−1·0	277·9	65	− 13
563	Kioto	35 1	135 46	49·4	1014·7	1020·9	+1·3	282·3	287·2	6th	270·2	266·9	17th	276·2	+0·3	275·3	56	− 1
564	Tokio	35 41	138 45	21·3	1014·3	1016·9	+0·6	281·7	287·6	22nd	271·6	267·8	17th	276·6	+0·3	276·0	50	− 5
565	Miyako	39 38	141 59	30·4	1011·5	1015·2	+0·2	280·0	285·3	1st	267·9	262·2	28th	274·0	+0·9	272·7	19	− 48
566																		
		N.	E.															

JANUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·6	1015·9	+1·3	297·5	298·6	..	292·2	290·2	..	294·9	+0·2	..	16	− 82
606																		
615	Zacatecas	22 47	102 35	2610	746·7	..	..	285·5	291·2	3rd	276·6	268·0	30th	281·1	..	..	55	..
616	Leon	21 7	101 41	1798·6	824·5	..	−1·2	294·1	298·0	3rd, 4th	280·1	272·2	31st	287·1	+0·2	..	29	+ 21
617	Galveston	29 18	94 50	16·5	1018·9	1021·0	+0·7	286·4	294·7	18th	278·7	266·3	12th	282·5	−1·9	*282·5	62	− 31
618	New Orleans	29 58	90 4	15·5	1018·3	1020·3	0·0	287·8	298·0	28th	278·5	268·0	13th	283·1	−1·6	*282·8	130	+ 13
619	Havana	23 8	82 22	24·3	..	1017·7	−1·8	298·7	302·6	2nd	292·5	286·8	17th	295·6	+1·2	295·7	77	+ 22
620	Key West	24 33	81 48	6·7	1016·8	1017·6	−1·7	296·7	300·2	3rd	291·6	285·8	16th	294·1	+0·7	*294·0	103	+ 53
621	Nassau, Bahamas	25 5	77 21	7·6	1017·1	1018·0	−2·1	298·7	302·2	9th, 22nd	293·6	289·9	17th	296·2	+1·5	..	19	− 37
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	291·5	294·5	..	285·1	282·9	..	288·3	..	..	134	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1020·4	1021·5	−0·7	295·5	298·2	1st	287·0	284·4	23rd, 30th	291·3	+1·0	..	109	+ 65
637	Insalah	27 17	E 2 27	330	984·4	1023·7	−1·2	294·7	302·0	23rd	279·1	274·0	7th, 20th	286·9	+1·6	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1024·6	+1·7	295·4	305	29th	276·4	273	13th, 15th	285·9	−0·7	*286·9	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1018·8	−0·7	296·2	306	30th, 31st	278·3	274	9, 11, 17	287·2	−1·6	*287·2	..	..
643	Suez	29 57	32 32	3·4	..	1020·4	+2·0	291·8	296	30th	281·8	279	sev. dates	286·8	+0·4	..	0	− 7
644	Aswan	24 2	32 53	99·6	..	1021·0	+1·5	295·8	307	30th	281·7	279	sev. dates	288·8	−0·5	*288·5	..	..
647	Bushire	28 59	50 53	4	1018·5	1019·1	−0·5	289·8	297·9	1st	283·3	279·4	21st, 29th	286·6	−0·8	..	84	+ 15
648	Jask	25 44	57 47	4	1017·8	1018·3	−0·8	296·8	300·9	8th	289·1	284·8	4 days	292·9	+0·5	..	44	+ 24
649	Kurrachee	24 53	66 57	4	1018·1	1018·6	+0·6	298·2	301·3	2nd	289·2	286·9	10th, 23rd	293·7	+1·5	*293·5	0	− 16
650	Hyderabad, Sind	25 24	68 18	29	1015·4	1018·8	+0·7	297·7	303·3	3rd	285·7	281·6	10th	291·7	+0·9	..	17	+ 11
651	Jaipur	26 56	75 52	436	968·4	1019·7	+0·9	297·4	304·2	30th	283·1	278·3	13th	290·3	+1·0	*289·5	5	− 8
652	Nagpur	21 8	79 5	310	982 5	1018·6	+1·3	302·1	306·1	24th, 25th	286·2	282·3	1, 2, 3	294·1	+0·2	*293·7	0	− 9
653	Allahabad	25 25	81 51	91	1007·5	1018·9	+1·0	296·3	302·8	23rd, 31st	282·4	277·7	15th	289·4	+0·2	*288·5	2	− 19
654	Calcutta	22 36	88 23	6	1017·0	1017·7	+0·7	299·3	303·5	24th	286·6	284·1	1st	293·0	+0·9	*292·4	0	− 10
655	Gauhati	26 8	91 41	59	1011·7	1018·8	..	297·1	299·6	4 days	283·6	281·4	4 days	290·3	..	..	0	− 10
655a	Cherrapunji	25 15	91 42	1313	872·0	..	..	288·3	290·6	4 days	280·9	277·5	17th	284·6	..	..	8	− 2
656	Shillong	25 33	91 48	1500	852·3	..	..	288·9	290·7	31st	276·5	273·4	17th	282·7	..	..	2	− 5
656a	Akyab	20 11	92 56	6	1015·9	1016·5	+0·8	300·1	301·6	26th	288·2	285·5	18th	294·1	−0·2	*293·6	10	+ 8
657	Phu Lien	20 48	106 37	115·6	1006·8	1020·8	+4·0	290·2	300·3	24th	286·0	281·7	30th	288·1	−2·8	287·9	126	+ 95
658	Moncay	21 31	107 51	10	1020·0	1021·2	+2·7	290·1	298·1	24th	284·5	280·0	28th, 31st	287·3	−2·3	..	144	+ 91
659																		
660	Hong Kong	22 18	114 10	33·2	..	1021·2	+1·8	288·7	295·4	6th	285·5	280·8	30th	287·1	−1·6	287·1	69	+ 32
661	Taihoku, Formosa	25 2	121 31	9·3	1021·6	1022·7	+2·4	290·5	298·5	23rd	285·8	281·2	30th	288·1	−1·1	287·7	216	+125
662	Naha	26 13	127 41	10·5	1019·9	1021·2	+1·7	291·6	297·8	25th	286·3	283·4	20th	289·0	−0·5	288·9	136	− 3
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	844·1	..	..	296·0	299·5	3rd	283·8	275·3	17th	289·9	..	..	11	..
716	Morelia	19 14	100 7	1933	810·6	..	..	293·3	297·8	3rd	278·7	273·1	30th	287·4	..	..	21	..
717	Salina Cruz	16 12	95 16	56·3	1007·3	1013·9	..	..	303·4	3rd, 25th	..	291·2	31st	297·4	..	..	6	+ 4
718	Mexico	19 26	99 8	2280	780·3	..	+0·3	292·3	296·1	3rd	278·3	272·6	30th	285·3	−0·3	285·4	0	− 3
718a	Oaxaca	17 4	96 44	1563	847·3	..	..	299·6	304·8	2nd	281·3	275·2	8th, 16th	290·5	..	..	3	..
719	Belize	19 29	88 12	1·9	..	..	..	300·8	304·7	13th	295·2	290·2	14th	298·0	..	..	411	+281
720	San Salvador	13 44	89 9	657	938·3	1012·0	0·0	304·6	306·6	22nd	288·3	285·8	18th	296·5	+1·0	..	0	− 2
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·1	+0·5	302·2	304·3	19th	293·3	291·3	24th	297·8	+0·1	*297·2	64	+ 20
722	Port au Prince	18 34	72 22	37·4	1011·3	1015·6	+2·4	304·5	306·3	29th	293·7	291·8	7th	299·1	..	298·5	2	− 29
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·2	1014·9	..	300·7	302·0	..	296·0	293·0	..	298·4	..	..	34	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·7	1013·7	+0·3	300·3	301·3	26th, 29th	296·0	294·7	22nd	298·2	+0·2	..	106	− 7
725	Barbadoes	13 8	59 36	55·2	..	1012·9	..	300·6	301·8	8th	295·9	292·3	24th	298·2	−0·2	*298·0	62	− 7
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1016·0	1017·3	+2·3	296·8	300·0	5th	292·5	289·0	4th	294·6	−0·1	..	0	− 3
732	San Tiago, C. Verde Is.	14 54	23 31	34	1013·9	1017·9	..	297·8	301·5	5th	292·5	291·8	12th	295·1	..	..	0	..
733	Bathurst	13 24	16 36	5	1013·2	1013·8	+0·6	300·6	307·4	31st	291·1	288·0	25th	295·9	−0·5	..	0	0
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	307·8	310·8	5, 21, 31	288·9	285·2	3rd	298·4	..	..	0	..
735	Ségou	13 34	6 17	?272	..	..	..	..	..	..	287·9	284·5	11th	..	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	..	1015·0	+0·6	303·2	308·0	..	284·6	281·0	..	293·9	−0·5	*293·6	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	302·9	306·3	30th	289·3	285·8	11th	296·1	0·0	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	308·2	310·2	20th	290·0	285·8	10th	299·1	+0·3	..	0	0
739	Maiduguri	11 48	13 12	370	..	..	..	305·3	310·2	28, 30, 31	284·9	280·2	11th	295·1	..	..	0	0
740	Katagum	12 17	10 22	30·7	..	..	..	305·9	309·1	28th, 29th	284·3	280·8	8, 9, 10	295·1	..	..	0	0
742	Kadugli	11 2	29 45	503	..	..	..	307·6	313·5	31st	288·4	284·0	19th, 20th	298·0	..	..	0	..
743	El Obeid	13 11	30 14	585	..	1017·8	+1·5	301·9	310	31st	283·5	280	14th	292·7	−0·7	*293·3	0	0
744	Khartoum	15 37	32 33	390	..	1016·6	+2·5	302·0	308	31st	286·6	282	14th	294·3	−0·7	*294·4	0	0
746	Aden	12 45	45 3	28·7	1013·9	1017·3	+1·1	299·7	300·6	3, 21, 23	296·0	292·7	17th	297·8	0·0	*297·2	7	− 3
751	Bombay	18 54	72 49	11·3	1015·2	1016·4	+1·0	302·6	306·3	27th	293·7	291·1	12th	298·1	+1·1	*297·7	0	− 2
752	Mysore	12 18	76 40	768	930·9	1016·7	+1·3	302·1	304·1	28th	287·2	284·7	7th, 8th	294·6	−0·4	*294·0	0	− 4
752a	Kodaikanal	10 13	77 28	2343	773·0	..	+0·6	291·6	295·5	11th, 31st	280·8	277·7	7th	286·2	+0·5	285·3	18	− 64
753	Madras	13 4	80 14	6·7	1016·3	1017·0	+1·3	301·6	303·6	14th	291·8	288·8	4th	296·7	−0·8	296·4	72	+ 49
754	Waltair	17 45	83 16	68·9	1010·1	1017·9	+1·3	300·1	303·9	27th	292·6	289·9	3rd	296·3	..	*295·9	0	− 18
755	Port Blair	11 40	92 40	17·7	1011·8	1013·8	+0·4	301·8	303·7	16th	296·4	294·1	21st, 23rd	299·1	−1·1	*298·7	584	+558
756	Rangoon	16 46	95 48	5·5	1014·8	1015·6	+0·6	302·2	305·3	1st, 2nd	293·1	289·6	20th, 24th	297·7	−0·2	*296·6	141	+139
757	Saigon	10 46	106 42	11·2	..	1013·0	+1·5	307·9	309·4	15th	294·4	291·9	31st	301·2	+1·5	..	38	+ 18
758	Nhatrang	12 16	109 12	6·8	..	1015·5	+1·6	302·1	304·3	26th	294·5	292·4	31st	298·3	+0·5	..	79	+ 5
759	Bolinao	16 24	119 53	9·7	..	1013·6	..	304·2	305·6	5th	295·1	292·1	24th	299·7	..	299·0	2	− 8
760	Vigan	17 34	120 23	14·7	..	1014·0	..	303·7	306·7	4th	293·9	292·6	31st	298·8	..	298·2	0	0
761	Manila	14 35	120 59	14·2	..	1014·2	+1·8	304·5	306·0	26th	292·2	288·8	23rd	298·4	−0·7	297·2	22	− 5
762	Ormoc	11 0	124 36	5·6	..	1013·0	..	303·2	305·5	19th	292·7	290·2	22nd	298·0	..	..	68	−109
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1011·0	..	301·0	302·4	30th	296·1	294·0	16th	298·6	..	..	51	..
		N.	E.															

Between Latitude 10° N. and 0°. JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	1010·8	−0·3	302·3	306·7	31st	298·0	296·1	27th	300·2	+0·3	..	817	+477
819	Culebra	9 10	79 40	123·1	..	1010·8	−0·5	303·6	305·2	8th	294·1	293·0	27th	299·1	+0·3	..	1	− 43
822	Caracas	10 31	66 56	?	898·9	..	..	298·8	301·0	..	286·9	..	..	292·9	..	..	2	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·8	1014·0	+1·6	302·8	303·6	27th	296·5	293·0	8th	299·7	+0·5	..	31	−186
826	Paramaribo	5 49	55 9	4	1013·7	1014·1	..	302·3	304·0	18th	294·2	290·6	5th	298·3	..	*297·8	22	..
826a	Cayenne	4 56	52 21	6	..	..	..	302·5	303·4	3rd, 12th	296·5	294·8	23rd	299·5	+0·5	..	?46	?−345
833	Conakry	9 31	13 43	16	1009·4	1011·2	+0·8	304·0	306·9	..	295·9	293·5	..	300·0	+0·6	..	0	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	305·6	309·2	29th	295·6	293·7	2nd	300·6	0·0	..	0	− 12
835	Cape Coast Castle	5 5	1 13	..	..	..	..	301·9	309·1	18th, 19th	298·2	292·4	14th	300·1	+0·3	..	52	+ 29
836	Accra	5 35	W 0 6	18	..	..	..	303·3	304·7	2, 5, 19	295·6	293·0	30th	299·5	−0·2	..	18	− 1
837	Lagos	6 22	E 3 28	7·6	1009·5	1010·4	+0·5	304·2	305·2	..	297·4	295·4	..	300·8	+0·6	..	16	− 16
838	Zungeru	9 48	6 10	130	..	1011·7	+0·4	308·0	309·7	19th	292·2	288·6	17th	300·1	+0·4	..	0	− 1
838a	Libreville	0 23	9 26	35	..	..	..	303·7	305·8	23rd, 24th	296·0	294·2	11th	299·9	+0·4	..	501	+232
839	Yola	9 12	12 30	259	..	..	..	306·7	309·7	31st	292·3	289·1	14th	299·5	+0·2	..	0	0
841	Kafia Kingi	9 22	24 18	596	950·0	1017·6	..	..	..	..	..	..	..	294·9	..	..	0	..
842	Wau	7 42	28 3	440	..	1012·7	+1·3	307·7	311	29th, 31st	289·1	285	17th	298·4	−0·8	..	0	− 1
843	Entebbe	0 5	32 29	1177	882·4	..	+0·3	300·6	302·8	25th	291·2	292·0	8th	295·9	+1·0	..	90	+ 18
844	Nandi	0 2	35 5	2010	..	..	..	301·3	311·3	28th	283·4	280·8	8th	292·3	..	..	15	..
845	Harrar	9 42	42 30	1856	..	..	..	299·6	301	sev. dates	287·1	285	17, 20, 23	293·4	..	..	32	..
851	Cothin	10 0	76 21	2·7	1014·5	1014·7	+1·3	304·5	306·2	4 dates	294·3	29·20	8th	299·4	−0·4	*299·0	0	− 16
852	Colombo Observatory	6 54	79 53	7·3	1011·6	1012·4	+2·0	304·4	306·9	27th	293·4	289·4	7th	298·9	−0·4	*298·5	28	− 68
853	Candy	7 18	80 40	504·5	..	..	..	300·7	303·1	15th	291·3	287·0	8th	296·0	−0·6	..	17	− 99
855	Medan	3 35	98 41	23·5	..	1011·2	..	..	..	..	..	..	..	..	..	..	126	− 4
856	Kota Radja	5 32	95 20	7·1	..	1012·6	..	..	..	..	..	..	..	..	..	..	58	− 79
857	Penang	5 34	100 20	5·0	1010·0	1010·6	−0·1	305·8	307·4	19th	294·7	293·0	30th	300·3	−0·1	..	23	− 84
858	Singapore	1 17	103 51	2·2	1011·3	1011·5	+0·9	304·9	306·3	26th	295·9	294·9	25th	300·4	+0·7	..	136	−142
860	Sandakan	5 49	118 12	..	..	..	..	302·7	304·1	5th	296·4	295·2	13th	299·6	+0·3	..	47	−474
861	Tagbilaran	9 38	123 51	26·2	..	1012·5	..	305·5	307·1	14th	..	..	..	..	..	299·4	5	− 79
862	Surigao	9 48	125 29	6	..	1012·0	..	301·7	303·0	12th	294·9	293·1	9th	298·3	..	..	233	−101
863	Yap	9 29	138 8	31·9	..	?1010·5	..	?302·4	..	..	?296·3	..	..	?299·4	..	..	..	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	30	− 26
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	306·4	308·0	31st	297·3	296·3	8, 11, 14	301·9	+0·7	..	103	+ 5
906																		
923	Manaos	3 8	59 59	32·4	1002·8	1006·5	−1·3	..	..	..	..	..	..	301·9	+1·3	..	31	−187
930	Fernando Noronha	3 51	W32 25	95	1000·2	1011·1	..	..	301·4	..	..	295·2	..	..	..	298·7	151	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	305·5	309·0	30th	293·8	291·2	28th	299·7	−0·3	..	424	..
940	Loango	4 38	11 50	?50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Daressalam	6 49	39 18	7·6	1010·6	1011·4	..	303·0	304·1	27th	298·5	295·6	27th	300·8	..	300·7	58	..
944	Nairobi	1 18	36 59	1660	..	..	..	297·2	299·6	15th	283·7	279·7	16th	290·4	..	..	24	− 21
944a	Zanzibar	6 10	39 11	21·9	1011·6	1014·1	+1·2	303·4	304·3	16th	299·4	296·7	15th	301·4	+0·2	..	111	+ 25
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	304·1	306·3	22nd	297·1	293·6	23rd	300·6	..	..	0	..
947	Seychelles	4 37	55 27	4·6	..	1012·7	+1·4	301·5	302·9	..	297·9	296·3	..	299·7	+0·2	*299·1*	654	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·7	+0·4	..	..	..	..	..	..	..	..	..	469	+121
957	Batavia	6 11	106 50	8	1010·4	1011·3	+1·4	302·5	305·3	10th	296·3	294·9	24th	299·4	+0·4	298·9	260	− 68
958	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	202	− 67
959	Passerocan	7 38	112 55	5·0	..	1010·6	+1·8	303·5	305·0	..	296·6	295·5	..	300·1	..	*299·4*	248	+ 15
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1010·3	..	..	..	..	..	..	..	..	..	..	229	−177
962	Ambon	3 42	128 10	4·2	..	1010·6	+2·3	..	..	..	..	..	..	..	..	..	81	− 50
965	Daru	9 4	143 13	8	..	1012·4	+3·4	306·4	..	..	296·9	..	..	301·7	+1·5	..	274	−139
966	Port Moresby	9 29	147 9	39	..	1010·1	+2·0	303·7	..	..	297·0	..	..	300·3	−0·8	..	380	+185
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	512	− 55
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1005·5	1005·7	−0·4	304·7	307·4	1, 3, 7	298·2	294·1	21st	301·4	+0·7	..	356	+ 31
970	Ocean Island	0 52	169 36	27·8	..	1005·8	−1·6	304·2	308·0	10th	297·2	295·2	20th, 25th	300·7	−0·4	..	594	+271
		S.	E.															

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1006·2	−1·7	..	305·6	..	..	294·5	..	300·9	+2·0	..	174	−272
1003	Alofi, Niue Island	19 2	169 55	36·6	1005·6	1009·7	−1·7	305·6	309·1	12th, 15th	296·4	294·7	9th	301·0	+1·1	..	183	−164
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1009·4	..	304·7	306·5	..	297·9	295·8	..	301·3	..	..	154	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1012·4	1013·6	..	296·7	298·0	sev.	289·9	288·0	6th	293·3	−0·6	..	0	..
1022	Arequipa	16 22	71 33	2451	761·2	..	+1·2	294·5	296·9	4th, 5th	283·8	281·3	7th, 29th	289·2	+1·5	..	8	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	0	..	394	+242
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·2	+3·0	302·4	305·6	2nd	298·0	296·4	28th	300·2	+0·3	..	316	..
1035	St. Helena	15 57	W 5 40	632	944·5	1017·0	−1·1	294·4	298·0	1st	288·5	286·8	17th	291·5	+0·9	*291·2*	145	+ 68
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·5	..	..	300·3	304·1	..	290·9	283·0	..	295·6	..	..	136	+ 11
1043	Salisbury, Rhodesia	17 49	31 3	1487	856·4	..	..	300·4	304·7	..	289·7	287·4	..	295·1	..	..	264	+ 73
1044	Zomba	15 23	35 18	899	904·9	1004·3	+1·8	300·7	303·6	3rd	290·4	289·6	20th	295·6	+0·1	..	299	+ 11
1045	Tamatave	18 9	49 26	4	1012·1	1012·5	+1·8	..	..	..	298·1	294·9	..	301·1	..	..	674	+314
1046	Tananarivo	18 55	47 32	1400	864·3	..	+2·0	300·2	304·5	3rd	289·4	286·9	24th	294·8	+0·5	293·9	233	− 52
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·7	+1·5	302·4	304·1	11th	297·8	296·3	sev.	300·1	−0·4	..	88	− 49
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·4	1009·0	+1·1	302·9	304·9	..	297·1	295·3	..	300·0	−0·3	..	226	− 13
1058																		
1061	Derby	17 18	123 40	16·2	..	1008·8	+2·2	308·6	311·4	28th	299·2	293·3	31st	303·9	+0·2	..	108	− 70
1062	Hall's Creek	18 13	127 46	373·4	..	1007·4	+1·1	312·2	317·3	28th	298·1	294·1	13th	304·4	+0·9	..	37	−102
1063	Port Darwin	12 28	130 51	29·6	..	1007·5	+1·8	305·8	308·0	1st, 29th	298·7	294·1	20th	301·9	+0·1	*300·9*	355	− 33
1064	Daly Waters	16 16	133 23	213	..	1005·5	..	310·3	315·2	28th	297·6	294·7	14th	303·9	+0·5	..	100	− 57
1065	Mein	13 13	142 57	121·9	..	1006·5	..	305·6	309·0	3rd	296·7	293·6	12th	301·2	..	..	257	− 91
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	308·8	311·3	21, 24, 27	295·9	293·0	21st	302·4	..	..	80	−138
1067	Samarai	10 37	150 40	6·4	..	1006·7	−0·8	303·3	..	..	298·4	..	..	300·8	0·0	..	185	+ 10
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1006·4	−2·5	303·5	305·8	12th	297·9	295·8	31st	300·7	+1·1	..	415	+134
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·7	303·8	21st	296·6	293·6	19th	299·2	..	..	343	+ 97
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1015·1	1018·6	..	299·9	301·4	13th	292·2	289·8	22nd	296·1	..	295·7	64	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1010·3	1013·2	..	293·4	295·0	5, 17, 20	288·7	287·0	12th, 25th	291·1	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1011·2	1011·8	−1·8	301·0	301·4	30th	288·4	287·5	1st, 4th	294·7	+0·2	..	0	0
1125	Goya	29 9	59 15	64	1005·4	1012·8	..	305·1	309·6	25th	294·1	287·0	7th	299·6	..	*299·2*	108	− 19
1126	Porto Alegre	30 2	51 13	26	1010·2	1012·2	..	302·7	308·0	20th	294·6	287·0	8th	298·7	..	*297·9*	217	..
1127	Curityba	25 26	49 16	908	912·6	1014·3	+1·6	300·5	306·0	5th	288·5	283·7	16th	294·5	−0·1	293·5	96	− 77
1128	Rio de Janeiro	22 54	W43 10	64	..	1011·0	−0·5	301·1	308·9	6th	295·5	293·4	8th	298·3	−0·8	..	94	− 25
1139	Windhuk	22 34	E17 5	1665·3	833·3	..	..	300·0	305·6	1st	289·6	286·6	29th	294·8	..	294·3	212	..
1140																		
1141	Johannesburg	26 11	28 4	1874	823·5	..	+0·7	299·6	303·7	27th	287·3	282·8	17th	293·4	+1·6	*292·9*	72	− 80
1142	Kimberley	28 43	28 46	?1232	880·4	..	+0·5	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	869·0	..	+0·6	304·7	309·6	27th	292·9	289·2	17th	297·0	−0·8	..	41	−111
1143	Durban	29 51	31 0	79·9	1005·3	1014·6	−1·2	301·1	305·3	24th	292·9	292·4	7th	298·9	−0·5	298·4	37	− 89
1144	Lorenzo Marques	25 58	32 36	59	..	1013·9	+1·6	303·4	310·2	27th	294·4	292·4	7th	298·9	+0·7	299·6	186	− 7
1147	Mauritius	20 6	57 33	54·3	1007·1	1013·3	+1·8	303·8	305·3	4th	296·0	293·0	29th	299·9	+0·7	299·6	186	− 7
1148																		
1159	Onslow	21 43	114 57	4·3	..	1007·4	+1·2	309·5	319·1	8th	296·9	291·9	15th	303·2	+0·2	..	1	− 21
1160	Peak Hill	25 38	118 47	588·3	..	1005·9	+0·3	313·5	316·3	8th	298·5	296·8	14th	306·0	+2·3	..	25	− 11
1161	Nullagine	21 53	120 5	385·6	..	1006·1	+0·7	314·4	318·0	24th	299·2	293·6	25th	306·8	+1·8	..	39	− 30
1162	Laverton	28 40	122 23	466·3	..	1010·2	+0·6	311·2	316·1	8th, 18th	296·1	288·0	10th	303·7	+2·6	..	3	− 25
1163	Alice Springs	23 38	133 37	587·0	..	1007·9	+1·9	309·9	314·9	22nd	292·4	285·2	19th	301·2	−0·8	*301·2*	3	− 40
1164	William Creek	28 55	136 21	76·2	..	1011·2	..	309·3	315·8	21st	292·8	288·6	10th	301·1	−0·2	..	0	− 14
1165	Boulia	22 55	139 38	145·7	..	1005·3	−1·3	313·9	319·1	23rd	297·9	291·4	12th	305·9	..	..	0	− 48
1166	Mitchell	26 32	147 52	337·1	..	1008·1	..	309·1	315·2	22nd	293·6	283·6	12th	301·3	..	..	21	− 72
1167	Rockhampton	23 24	150 30	11·3	..	1010·0	−0·3	306·9	311·3	1st, 11th	294·6	292·4	9th	300·8	+1·0	..	64	−179
1168	Brisbane	27 28	153 2	41·7	..	1011·6	+0·2	304·4	308·7	17th	293·7	289·8	19th	299·1	+0·9	..	47	−124
1169	Noumea	22 16	166 27	9	1004·9	1005·9	..	303·8	307·2	2nd, 8th	296·6	291·1	30th	300·2	+0·6	..	177	+ 89
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	22	− 68
		S.	E.															

Between Latitude 30° S. and 40° S.

JANUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1018·8	1020·0	+1·4	295·8	300·0	25th	..	..	..	292·7	0·0	..	0	− 19
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1008·3	1013·0	−0·8	295·5	299·0	5th	287·0	285·0	7th	291·3	−0·8	..	0	0
1222	Santiago	33 27	70 42	520	952·0	1011·3	−1·3	303·0	307·0	13th	284·5	282·5	4th, 5th	293·8	−0·2	292·4	0	− 1
1223	Cordoba	31 25	64 12	439	961·8	1011·5	−1·0	..	..	..	..	..	..	..	+1·0	296·9	69	− 46
1224	Buenos Ayres	34 16	64 11	25·2	1009·2	1012·1	+0·5	301·8	307·8	14th	291·3	283·5	6th	296·5	−0·2	296·6	146	+ 72
1225	Rio Grande	32 2	52 6	2·3	1013·2	1013·5	..	298·3	302·7	20th	293·8	288·8	7th	296·1	..	..	87	..
1226	Montevideo	34 52	W56 12	29·3	..	1012·9	+0·8	..	304·4	3rd	..	288·5	6th	..	+0·9	296·0	119	+ 59
1239	Cape Town	33 56	E18 29	9	1013·8	1014·9	+1·5	299·4	311·2	10th	288·3	283·6	23rd	293·9	−0·1	..	4	− 12
1240	Danger Point	34 37	19 18	20	..	..	..	294·4	298·6	2nd, 27th	288·8	284·1	16th	291·6	..	..	18	..
1241	Heidelberg	34 5	20 58	1541	851·3	..	+2·4	302·5	308·1	1st	287·1	283·6	24th	294·8	+1·1	..	99	+ 76
1242	East London	33 2	27 55	10·1	1012·7	1013·9	+0·6	297·4	303·0	24th	290·8	286·9	16th	294·1	0·0	..	111	+ 45
1259	Perth (Observatory)	31 57	115 51	60·0	..	1014·0	+1·1	302·6	314·1	11th	290·9	284·6	14th	296·8	+0·7	..	3	− 5
1260	Katanning	33 42	117 35	309·7	..	1012·9	−0·4	305·4	313·7	11th	287·3	280·3	15th	296·4	+1·7	..	0	− 7
1261	Coolgardie	30 57	121 10	423·3	..	1011·9	+0·5	309·1	316·9	29th	291·0	284·7	9th	300·1	+1·8	..	5	− 5
1262	Eucla	31 45	128 58	4·6	..	1014·5	+1·3	301·2	318·0	13th	290·6	284·7	1st	295·9	+1·3	..	0	− 17
1263	Streaky Bay	32 48	134 13	13·1	..	1015·0	+1·9	302·4	314·1	20th	289·0	283·0	3rd	295·7	+0·9	..	0	− 12
1264	Adelaide	34 56	138 35	42·7	..	1014·8	+1·8	302·9	316·2	31st	288·4	282·6	3rd	295·7	−0·7	..	5	− 15
1265	Melbourne	37 49	144 57	35·1	..	1013·8	+0·9	298·5	312·3	14th	286·4	281·5	3rd	292·4	−0·3	..	12	− 36
1266	Bourke	30 13	145 58	110·1	..	1011·5	+1·8	310·6	318·8	22nd	294·1	288·0	11th	302·4	−0·2	..	1	− 49
1267	Sydney	33 51	151 13	44·5	..	1013·5	+0·9	298·9	312·4	15th	290·7	286·8	13th	294·8	−0·2	..	34	− 58
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	83	− 51
1271	Auckland	36 50	174 50	38·1	..	..	..	294·1	296·9	26th	287·0	283·3	22nd	290·6	−1·6	..	44	− 20
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	290·8	296·3	6th	283·8	279·1	..	287·3	−0·1	..	54	0
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	289·5	292·7	14th	283·2	281·7	26th, 29th	286·4	..	..	43	..
1322	Punta Galera	40 1	73 44	40	1011·8	1016·6	..	289·7	294·9	23rd	283·7	281·8	5th	286·7	..	..	43	..
1323	Bahia Blanca	38 45	W62 12	20	1009·2	1011·5	−3·6	304·4	311·5	14th	290·1	279·7	9th	297·2	+2·2	*296·7*	125	+ 86
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1008·9	−1·4	294·4	309·8	14th	284·4	280·3	12th	289·4	−0·5	..	28	− 18
1366	Launceston	41 27	147 10	9·4	..	1010·0	..	297·1	306·4	31st	283·7	278·8	12th	290·4	−0·4	..	19	− 32
1369																		
1370	Dunedin	45 52	170 31	90	..	1002·8	−6·4	290·7	301·3	16th	281·4	278·0	twice	286·1	−1·5	..	82	− 12
1371	Christchurch	43 32	172 38	7·6	..	1008·3	−2·9	292·4	301·2	twice	283·2	277·3	22nd	287·8	−1·8	..	36	− 15
1372	Wellington	41 16	174 46	2·4	..	1010·1	−2·4	292·0	297·4	7th	285·4	282·0	5th	288·7	−1·2	..	25	− 59
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	992·8	999·4	..	..	..	..	..	..	..	282·5	..	..	402	..
1422	Puerto de Punta Arenas	53 10	70 54	4	997·8	998·3	+1·7	289·1	292·4	27th	280·1	277·4	20th	284·6	+0·8	284·0	56	+ 18
1423	Punta Dungeness	52 24	68 25	5	998·3	998·9	..	289·0	295·4	15th	280·2	278·0	19th, 28th	284·6	..	..	35	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1001·8	+1·3	286·1	292·4	28th	280·3	276·9	6th	283·2	+0·4	283·1	..	..
1426																		
1429	South Georgia (Grytviken)	54 14 S.	36 33 W.	4	1000·1	1000·5	+5·9	282·3	289·9	29th	274·7	270·8	8th	278·5	−0·5	*277·8*	64	− 11
1430																		

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	6·9	996·8	997·5	+6·9	275·7	278·0	24th	271·9	269·0	3rd	273·8	+0·4	273·7	..	..
1528																		

JANUARY—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	78 38 S.	163 37 W.	11·0	994·1	995·6	..	..	270·3	17th	..	255·8	25th	263·9	..	..	..	..
1606																		
1669		S.	E.															
1670	Cape Evans (McMurdo Sound)	77 38 ′	166 24 ° ′	18 metres.	.. mb.	996·6 mb.	+3·4 mb.	.. a.	277·4 a.	..	.. a.	260·2 a.	..	.. a.	−1·3 a.	267·1 a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force		Suva, Fiji. 1072. Direction	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SSE	3·8	NE 4	NE 6	Calm 0	W 2	NE 3	NE 2	W 2	W 1	W 2	NE	4·0
2	SSE	7·0	NE 6	NE 2	Calm 0	W 2	E 2	NE 1	SE 1	W 2	SW 2	E	3·0
3	SSE	8·0	Calm 0	NE 2	Calm 0	W 2	NE 2	NE 1	W 1	SW 1	SW 3	NE	2·7
4	SE	10·2	E 4	NE 5	W 3	W 3	NE 2	Calm 0	SE 3	SW 4	SW 3	E	2·4
5	SE by S	12·1	NE 5	NE 6	E 2	W 3	E 3	NE 1	SE 3	SW 3	SW 4	Calm	3·8
6	SE by S	7·5	E 4	NE 6	NE 2	W 2	E 3	NE 2	NW 2	W 2	SW 1	E	2·2
7	SSE	6·1	NE 5	NE 4	NE 2	W 3	E 1	E 2	NW 1	SW 1	SW 2	NE	1·8
8	SE by S	6·7	NE 4	NE 2	E 3	Calm 0	E 1	E 1	W 2	SW 2	SW 1	NE	1·8
9	SE by S	6·7	NE 2	NE 2	Calm 0	Calm 0	NE 1	E 1	W 2	SW 1	SW 1	N	1·4
10	SSE	6·1	NE 4	NE 4	E 2	W 2	NE 2	NE 5	Calm 0	N 2	SW 2	N	1·3
11	SE	8·8	SE 4	E 2	E 3	W 3	E 3	E 2	Calm 0	SW 1	SW 2	E	0·7
12	SE by S	9·1	E 2	NE 4	Calm 0	W 3	E 4	E 3	Calm 0	N 1	Calm 0	N	1·4
13	SSE	8·8	E 6	NE 6	NE 3	W 3	E 2	E 1	Calm 0	NW 1	NW 2	E	1·9
14	SE by S	10·1	NE 5	NE 6	W 3	W 3	E 2	E 1	Calm 0	N 1	N 3	E	2·7
15	SSE	8·4	NE 6	NE 6	W 2	Calm 0	E 2	E 2	Calm 0	Calm 0	N 3	NE	3·7
16	SE	8·4	NE 4	NE 2	W 3	Calm 0	E 4	E 4	NW 2	N 1	NW 2	N	4·2
17	SE by S	6·1	NE 5	NE 4	N 3	SE 3	E 2	E 2	NW 2	NW 2	W 3	NE	3·4
18	SE by S	5·1	NE 4	NE 2	NE 2	NE 2	E 5	E 2	Calm 0	SE 1	SE 2	NE	3·2
19	SE by S	5·2	NE 5	NE 4	NE 2	Calm 0	E 3	E 2	NW 2	NE 2	W 3	E	4·1
20	SSE	6·9	NE 2	NE 2	NE 2	NW 2	E 2	E 4	NW 8	W 2	SW 4	E	4·3
21	SE	6·6	NE 2	NE 4	NW 3	NW 2	SE 3	SE 1	NW 8	SW 1	SW 4	NE	2·0
22	SE	6·5	NE 4	NE 2	Calm 0	NE 2	SE 2	NE 1	NW 4	W 4	W 2	N	1·1
23	SSE	9·1	NE 4	NE 4	NE 2	W 2	SE 2	NE 1	NW 3	NE 2	Calm 0	NE	3·3
24	SE by S	8·5	NE 4	NE 3	W 2	W 3	E 1	NE 1	NW 2	NE 2	NE 2	E	3·3
25	SE	9·9	NE 4	NE 4	NW 3	W 3	E 2	NE 1	Calm 0	Calm 0	Calm 0	NE	1·9
26	SE	9·3	E 4	NE 4	N 2	NW 2	E 2	SE 1	NW 4	Calm 0	Calm 0	NE	4·1
27	SSE	6·1	NE 4	S 2	NE 3	N 3	E 2	Calm 0	NW 2	Calm 0	N 1	NE	9·3
28	SE by S	5·0	N 3	NE 2	NW 2	Calm 0	SE 1	Calm 0	NNW 5	..	NW 2	Calm	12·6
29	SE	5·5	NE 3	NE 2	SW 2	SW 4	E 1	NE 2	NNW 6	NW 4	W 3	SE	17·5
30	SE by S	6·7	NE 3	NE 4	SW 2	SW 4	NE 2	Calm 0	NW 4	W 2	W 3	S	8·1
31	SSE	4·9	E 4	NE 3	W 2	SW 2	NE 1	Calm 0	NW 2	NW 4	NW 3	SW	2·4
Mean for Month	..	7·4		3·9		3·6		1·9		2·1		2·2	1·5	2·3	1·7	2·1	..	3·9
Deviation from Normal	..	− 0·2	..	..	..	..	..	..					−1·7	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1912.

**The Seas round Novaja Zemlja and Spitzbergen.*—"No information is available."

**The Greenland Sea.*—"At Angmagsalik the sea was completely covered with 'Storis.'"

The North Atlantic and Labrador.—"On Newfoundland Banks icebergs were observed from the 7th onwards."

**Davis Strait.*—"At Cape Farewell the 'Storis' was closely packed all through the month. At Sagdlet and at Nanortalik the sea was ice-free for some days, at Kagsimiut even up to the 23rd, but after that date the ice lay close to the coast off Julianehaab Bay. During January the sea commenced to freeze at the northern Colonies and at Davis Strait, but in the middle of the month the ice drifted away. Off Holstensborg the west ice appeared for some days 16 miles off shore."

**The Behring Sea.*—"During the beginning of the year the sea ice broke up at Cape Nome. As in Greenland the winter was uncommonly warm and the sea ice did not attain any great thickness."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30 N.	68 55 W.	6·5	1011·2	1012·1	..	..	..	..	..	..	..	251·0	..	..	3	..
124																		
125	Upernivik	72 47	W56 7	18·9	1008·6	1011·1	+1·5	..	..	..	255·2	246·2	25th, 26th	258·4	+8·2	..	16	+ 1
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1015·8	1017·4	+10·8	..	262·8	20th	241·0	231·4	5th	..	..	246·5	24	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1005·5	1006·3	+ 1·9	..	274·2	29th	261·1	256·4	3rd	..	−4·6	*264·1*	59	+ 5
142	Mehavn	71 1	27 47	6·4	1005·9	1006·7	..	..	273·6	29th	260·1	255·0	26th	..	..	*263·4*	39	−18
143	Vardö	70 22	31 8	10·0	1005·4	1006·7	+ 0·3	..	270·8	29th	260·2	256·2	25th	..	−3·8	*263·0*	70	+ 5
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1006·7	1008·8	+ 0·7	..	256·4	7th	239·7	233·5	15th	244·2	−12·4	*244·1*	2	− 5
148		N.	E.															

Between Latitude 70° N. and 60° N. FEBRUARY—ZONE 2.

203	Nome	64 30 N.	165 24 W.	6·7	1004·6	1005·5	..	263·9	278·0	..	256·6	236·3	..	260·2	..	..	5	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	261·5	269·1	..	252·9	231·3	..	257·2	..	..	17	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	275·5	279·7	..	267·4	260·2	..	271·4	..	..	126	..
208	Eagle	64 46	141 12	248	978·2	1010·4	..	266·2	279·7	..	254·1	238·0	..	260·1	..	..	7	..
209	Dawson	64 4	139 20	321	973·6	1015·7	−5·0	261·1	277·4	20th	254·1	242·4	6th	257·6	+10·4	..	27	+ 10
210	Carcross	60 11	134 34	662	..	..	..	268·9	280·2	2nd	258·8	248·6	27th	265·3	..	..	15	..
211																		
212	Fort Simpson	61 52	120 43	129	1005·2	1022·9	..	257·2	264·9	21st	249·3	237·4	27th	253·3	..	*253·9*	8	..
213	Hay River	60 51	115 20	161	999·3	1021·3	..	256·5	269·8	21st	245·1	229·6	28th	250·8	..	..	36	..
214	Fort Resolution	61 0	113 0	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
225	Jacobshavn	69 13	51 22	12·6	1006·6	1008·2	+0·8	266·8	276·5	15th	258·6	248·5	27th, 28th	262·7	+8·8	..	12	+ 5
226	Godthaab	64 11	51 44	9	1001·5	1002·7	+0·2	270·9	275·4	22nd	265·5	257·2	17th	267·8	+5·0	..	11	− 43
229	Angmagsalik	65 37	37 34	31·7	1005·8	1009·9	..	267·0	278·7	16th	257·9	243·8	8th	262·5	..	..	115	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1000·8	1002·3	+0·1	271·4	278·9	16th	267·1	260·5	3, 4, 8	269·3	−1·0	..	25	− 38
232	Vestmanno	63 26	20 15	7·7	996·2	997·1	−5·9	275·9	281·0	15th	270·6	262·1	8th	273·3	−0·7	..	94	− 17
233	Grimsey (Akureyri)	66 33	17 58	6·8	1004·4	1005·3	+0·9	271·1	277·1	15th	266·8	256·8	8th	269·0	−1·3	..	11	− 18
234	Berufjord	64 40	14 19	18	998·4	1000·7	−4·0	272·6	279·2	19th	268·0	260·0	8th	270·3	−1·5	..	79	− 28
235	Thorshavn	62 3	6 45	25·7	995·4	998·5	−8·9	278·1	281·4	17th	274·0	265·8	4th	276·1	0·0	..	130	− 16
236	Lerwick	60 9	W 1 8	18·0	998·7	1000·9	−8·1	279·2	283·0	29th	275·2	269·1	2, 3, 4	277·2	+0·7	..	97	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	999·9	1005·4	−6·1	..	285·3	9th	272·3	259·3	3rd	..	+0·9	*278·8*	142	− 8
238	Christiansund	63 7	7 45	17·8	1001·6	1003·8	−5·3	..	282·8	29th	272·8	260·7	3rd	..	+1·4	*275·3*	74	− 11
239	Trondhjem	63 26	10 25	39·5	1000·4	1005·4	−4·7	..	280·0	29th	267·9	249·1	3rd	..	+0·9	*271·0*	75	− 15
240	Bodö	67 17	14 24	20·5	1002·0	1005·6	−1·8	..	277·6	9th	263·9	254·4	2nd	..	−2·3	*267·9*	49	− 32
241	Haparanda	65 50	24 9	9·2	1009·2	1010·4	−1·4	259·5	272·0	29th	250·9	235·0	4, 5, 21	255·2	−5·9	..	29	+ 1
242	Helsingfors	60 10	24 57	11·7	..	1009·8	−5·4	..	275	..	..	244	..	263·6	−2·7	*263·5*	19	− 14
242a	Kuopio	62 54	27 40	99·7	..	1011·5	..	..	274	..	..	237	..	257·9	−5·8	*257·8*	26	..
243	Kola	68 53	33 1	6·7	1007·2	1008·1	−1·1	257·1	269·7	29th	247·0	235·7	5th	252·1	−9·9	..	30	+ 22
244	Petrozavodsk	61 47	34 23	38·9	..	1011·0	−4·8	..	274	..	..	241	..	258·7	−4·4	*258·6*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1008·6	−4·4	..	267	..	..	235	..	252·6	−7·8	*252·5*	17	0
246	Velsk	61 5	42 7	? 87	999·8	1011·5	..	..	271·4	29th	250·3	233·1	25th	255·7	..	*255·6*	16	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1008·2	−3·2	..	271	..	..	226	..	248·3	−9·9	*248·2*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	994·3	1011·7	..	..	271·0	5th	238·5	227·5	15th	245·5	..	*245·4*	9	..
249	Berezov	63 56	65 4	39·7	1002·8	1008·3	−8·1	..	266·0	5th	241·9	233·9	12th	246·4	−8·5	*246·3*	9	0
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1004·4	1009·9	−9·7	..	266·0	6th	240·2	226·5	12th	247·4	−7·9	*247·2*	29	+ 19
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1007·1	1009·8	..	..	259·9	6th	239·6	231·0	26th, 27th	244·1	..	*244·0*	8	..
261	Olekminsk	60 22	120 26	? 202	1005·4	1034·2	−4·4	..	258·5	19th	236·0	227·7	10th	242·2	−1·7	*242·1*	10	..
262	Iakoutsk	62 1	129 43	? 108	1010·7	1026·7	−2·0	..	247·9	19th	229·6	223·1	23rd	234·3	−1·7	*234·2*	2	− 2
263	Verkhoïansk	67 33	133 24	? 100	1008·7	1024·0	+1·2	..	242·5	17th	222·0	211·0	2nd	226·8	−1·1	*226·7*	4	+ 2
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	246·4	15th	228·8	217·4	4th	233·6	..	*233·5*	2	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	275·7	278·6	..	271·5	264·1	..	273·6	..	..	130	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1005·8	1009·1	+ 1·8	281·3	287·4	..	274·7	270·2	..	278·0	+8·6	..	150	— 40
310	Prince Rupert	54 18	130 18	52	..	1012·0	..	281·1	289·7	1st	275·6	269·1	28th, 29th	278·3	..	..	216	..
311	Barkerville	53 2	121 35	1274	..	1016·6	..	273·6	278·6	14th	264·8	252·4	28th, 29th	269·2	+3·1	*269·3*	34	— 33
312	Kamloops	50 41	120 29	379	..	1019·1	+ 1·5	276·1	282·3	16th	269·2	260·3	29th	272·6	+1·9	*272·6*	16	— 5
313	Calgary	51 2	114 2	1033	..	1017·1	— 2·9	275·0	282·4	2nd	264·8	251·3	29th	269·9	+7·0	*270·0*	2	— 12
314	Fort Chipewyan	58 42	111 10	218	992·4	1021·8	..	258·1	266·3	22nd	248·8	236·9	29th	253·5	..	*254·0*	10	..
315	Prince Albert	53 10	106 0	436	..	1019·0	+ 0·7	264·7	278·0	15th	253·2	238·0	3rd	258·9	+3·9	*259·4*	3	— 16
316	Qu'Appelle	50 30	103 47	645	..	1018·8	— 0·1	264·0	275·8	15th	255·1	240·8	3rd	259·5	+3·6	*259·8*	4	— 20
317	Minnedosa	50 15	99 50	518	..	1019·4	..	264·2	274·1	16th	253·8	239·9	9th	259·0	+3·4	*258·8*	12	— 3
318	Berens River	52 18	97 23	216	..	..	..	259·4	273·0	17th	246·2	233·0	2nd	252·8	..	*252·6*	10	..
318a	York Factory	57 0	92 28	11	1019·0	1020·6	+ 2·3	..	262·4	16th	241·6	230·2	9th	246·9	0·0	..	..	..
319	Fort Hope	51 32	87 48	..	982·7	..	..	260·6	274·7	16th	245·9	229·7	10th	253·2	..	..	5	..
320	Moose Factory	51 16	80 56	9	1014·1	1015·3	..	260·9	275·2	18th	248·3	233·0	9th	254·6	..	..	50	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
325	Davis Inlet	55 50	60 50	..	1004·3	..	..	265·3	273·0	27th	253·7	239·7	5th, 17th	259·5	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	274·7	..	..	248·6	..	266·1	+3·5	..	42	— 23
327	Belle Isle	51 55	55 20	133	984·0	1000·9	..	268·8	273·6	7th	263·6	254·1	15th	266·2	..	..	37	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	996·1	997·8	—16·0	282·0	285·2	22nd	277·8	270·8	2nd	279·9	—0·2	280·2	132	+ 6
335	Aberdeen	57 10	2 6	27·4	998·7	1001·9	— 9·9	279·3	284·1	29th	275·4	261·9	5th	277·3	+0·9	277·4	76	+ 19
336	Greenwich	51 28	W 0 0	48·5	999·6	1005·4	—10·5	282·2	288·6	28th	276·7	265·8	3rd	279·4	+2·1	279·4	44	+ 6
337	Uccle	50 48	E 4 22	100	995·9	1008·2	— 8·4	282·2	288·8	17th	275·7	258·3	3rd	279·0	+3·6	*278·8*	53	— 5
338	De Bilt	52 6	5 11	3·0	1007·8	1008·2	— 6·6	280·4	287·0	18th	272·8	253·0	3rd	276·6	+1	277·0	54	+ 11
338a	Hamburg	53 33	9 59	26·0	1006·6	1009·8	— 5·9	277·0	287·8	29th	271·9	256·4	5th	274·5	+0·9	274·7	59	+ 12
339	Copenhagen	55 41	12 36	5·0	1009·5	1010·2	— 3·9	273·1	279·5	29th	269·3	257·0	3rd	271·2	—1·3	..	35	+ 1
340	Potsdam	52 23	13 4	84·9	1000·2	1010·9	— 5·1	278·3	290·5	29th	271·0	253·8	5th	274·7	+1·5	274·2	39	+ 3
340a	Upsala	59 51	17 38	24·0	1005·6	1008·7	— 4·9	270·5	277·4	29th	264·2	252·0	3rd	267·4	—0·7	267·7	25	— 5
341	Warsaw	52 15	21 1	120	996·7	1011·9	— 6·3	..	..	9th	268·5	251·4	5th	271·4	+3·0	*271·3*	37	+ 9
342	Jurjev	58 23	26 43	74·5	1001·8	1011·6	— 4·8	266·7	274·5	28th, 29th	258·6	247·7	4th	262·6	+0·7	*263·3*	14	..
343	Petrograd	59 56	30 16	4·8	..	1011·2	— 5·1	..	275	..	..	241	..	261·3	—3·3	*261·2*	16	— 5
344	Kiev	50 27	30 30	182·9	..	1014·3	— 5·6	..	276	..	..	254	..	266·9	—0·9	*266·8*	36	+ 13
344a	Moscow	55 45	37 34	156	..	1015·2	— 4·7	..	274	..	..	245	..	260·3	—3·1	*260·3*	23	— 1
345	Saratov	51 32	46 3	59·9	..	1017·8	— 3·3	..	276	..	..	244	..	260·8	—2·8	*260·7*	34	+ 14
346	Kazan	55 47	49 8	79·8	1004·4	1015·1	— 6·4	..	273·5	5th	..	242·7	23rd	257·5	—3·4	*257·4*	40	+ 30
347	Orenburg	51 45	55 6	114·1	..	1019·0	— 5·7	..	274	..	..	240	..	256·6	—2·2	*256·5*	55	+ 34
348	Perm	58 1	56 15	163·0	..	1012·7	..	..	272	..	..	240	..	253·4	—6·5	*253·2*	42	..
349	Ekaterinburg	56 50	60 38	288·9	..	1014·0	— 8·0	..	267	..	..	238	..	253·4	—5·8	*253·2*	19	+ 12
350	Tobolsk	58 12	68 14	108·3	998·6	1013·5	..	..	266·9	5th	246·7	238·2	24th	251·3	—6·5	*251·1*	21	+ 8
351	Akmolinsk	51 12	71 23	? 347	975·0	1020·8	— 7·4	..	274·4	16th	249·6	239·6	29th	256·5	+0·7	*256·4*	68	+ 63
352	Omsk	54 58	73 23	87·9	1004·6	1016·7	— 9·1	..	269·2	5th	247·6	236·1	25th	252·7	—3·7	*252·5*	16	+ 9
353	Barnaoul	53 20	83 47	162·2	1002·0	1023·7	— 6·9	..	273·9	21st	252·0	236·1	29th	257·9	+1·7	*257·7*	50	+ 39
354	Tomsk	56 30	84 58	121·6	1002·8	1019·3	— 7·8	..	272·6	21st	250·7	232·6	26th	255·9	—0·3	*255·7*	27	+ 5
355	Minousinsk	53 43	91 41	? 255	992·0	1025·7	..	..	272·6	20th	252·0	239·7	26th	258·6	..	*258·4*	2	— 2
356	Eniseisk	58 27	92 11	84·4	1008·3	1019·8	— 7·7	..	272·0	1st	249·5	225·1	26th	255·7	+1·4	*255·5*	18	+ 2
357	Irkutsk	52 16	104 19	467·0	964·4	1025·0	— 6·9	..	272·2	21st	252·9	239·9	27th	259·3	+3·8	*259·2*	4	— 2
358	Kirensk	57 47	108 7	? 263	989·4	1024·8	..	..	270·5	18th	246·2	231·1	27th	252·9	..	*252·8*	17	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	270·3	2nd	243·0	230·8	28th	249·9	..	*249·8*	13	..
360a	Nertchinsk	51 59	116 35	484·3	960·4	1025·7	..	..	265·9	2nd	242·7	233·7	17th	249·4	—2·5	*249·4*	8	..
361	Tygan Ourkan	54 5	124 46	? 370	972·8	1022·6	..	..	268·7	19th	242·5	231·7	8th	252·1	..	*252·1*	4	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	270·4	27th	242·3	232·9	9th, 29th	251·6	..	*251·6*	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1012·6	1015·4	— 4·0	257·2	263·3	..	246·4	236·6	..	252·6	—0·3	*252·5*	15	+ 1
366	Okhotsk	59 21	143 17	6·0	1014·2	1015·0	— 3·8	255·5	269·0	..	245·8	235·5	..	250·7	—0·8	*250·6*	4	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	987·4	998·6	— 5·9	266·9	271·6	..	261·2	256·4	..	264·1	+1·3	..	132	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. FEBRUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1018·6	+ 3·4	282·1	285·2	9th	276·2	271·1	27th	279·1	+0·8	279·0	80	— 3
412	Portland, Oregon	45 32	122 41	46·6	1015·4	1021·0	+ 2·4	283·4	288·6	9th	277·3	273·0	24th	280·4	+2·2	*280·1*	123	— 28
413	Macleod	49 44	113 24	954	..	..	..	275·6	283·0	3rd	266·9	245·8	28th	271·2	+5·5	*271·2*	3	— 5
414	Helena	46 34	112 4	1253	874·0	1020·0	+ 0·3	276·1	281·3	14th	267·9	254·7	28th	272·0	+4·4	*272·0*	5	— 2
414a	Salt Lake City	40 46	111 54	1331	869·4	1020·0	+ 1·4	279·7	285·2	11th	271·8	266·9	26th	275·8	+2·3	*275·6*	34	— 3
415	Cheyenne	41 8	104 48	1856	810·3	1019·3	+ 2·4	274·8	283·0	7th	263·7	250·2	4th	269·3	—0·6	*269·1*	41	+ 25
416	North Platte	41 8	100 45	860	917·7	1020·3	+ 2·0	276·3	284·7	14th	265·9	253·6	3rd	271·1	+2·2	*270·8*	21	+ 10
416a	Bismarck	46 47	100 38	510·2	957·9	1021·7	+ 1·7	268·1	279·1	16th	258·1	241·3	9th	263·1	+3·3	*262·7*	2	— 10
417	Winnipeg	49 53	97 7	231·6	..	1020·3	— 0·3	263·9	276·6	17th	253·7	241·0	9th	258·8	+4·2	*258·4*	5	— 13
418	Duluth	46 47	92 6	345·3	974·0	1017·9	— 0·7	264·4	273·6	15th	255·7	243·6	9th	260·1	—2·7	*260·1*	7	— 2
419	Port Arthur	48 27	89 12	196·3	..	1016·9	— 2·0	265·5	275·2	15th, 18th	254·4	240·2	9th	259·9	+0·6	*259·9*	8	— 5
420	Chicago	41 53	87 37	250·9	986·1	1017·6	— 1·0	270·6	283·0	18th	264·0	251·3	4th	267·3	—2·0	*267·4*	40	— 18
421	Toronto	43 40	79 24	106·7	..	1015·6	— 2·7	269·7	280·6	25th	261·8	244·8	10th	265·8	—1·2	264·8	42	— 17
422	New York	40 43	74 0	111·3	1002·4	1014·5	— 4·1	275·3	287·4	25th	266·7	254·1	10th	271·0	—1·3	270·9	52	— 46
423	St. John, N.B.	45 17	66 4	21·3	..	..	..	270·7	279·5	22nd	262·4	248·6	11th	266·6	+0·4	*266·8*	50	— 33
424	S. W. Point, Anticosti	49 24	63 35	9	1003·8	1005·0	— 6·2	269·1	274·1	5th	260·9	249·7	10th, 11th	265·0	..	..	10	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	997·9	—11·9	271·4	276·3	21st	265·4	256·3	16th, 17th	268·4	+0·2	..	99	— 45
435	Madrid	40 24	3 41	655·4	937·8	1014·8	— 5·6	286·4	292·6	28th	276·5	272·1	1st	281·5	+1·7	280·8	68	+ 41
436	Nantes	47 15	W 1 34	41·4	1003·0	1008·0	—11·0	284·2	291·2	28th	277·9	267·3	3rd, 4th	281·1	+2·1	*280·8*	106	+ 51
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1003·2	1009·4	— 8·8	284·0	290·5	8th	276·2	263·0	4th	280·1	+3·3	279·9	41	+ 8
438	Marseilles	43 18	5 23	75·0	1003·6	1012·8	— 3·6	287·6	293·1	26th	278·7	269·8	4th	283·2	+2·2	*282·6*	66	+ 30
438a	Zürich	47 23	8 33	493·2	954·5	1014·2	— 6·7	..	289·6	29th	..	261·6	4th	277·3	+3·5	..	44	— 13
439	Rome	41 54	12 29	63·4	..	1014·4	— 2·0	287·8	290	sev. dates	280·8	274	1st	284·3	+2·8	..	85	+ 21
440	Vienna	41 15	16 22	202·5	987·6	1012·6	— 6·4	278·4	286·0	27th	272·8	258·8	4th	275·6	+2·8	*275·6*	50	+ 17
440a	Buda-Pesth	47 30	19 2	129·6	997·8	1014·0	— 6·0	279·5	287·4	27th	272·1	260·0	6th	275·8	+3·0	..	39	+ 8
441	Bucharest	45 25	26 6	82	1005·2	1015·5	— 5·1	..	288·9	28th	..	262·4	2nd	274·8	+1·9	..	21	— 6
442																		
443	Odessa (University)	46 29	30 46	65·3	1007·1	1015·4	— 4·8	274·7	279·3	12th	269·0	260·6	15th	271·9	+1·5	*271·8*	30	+ 11
444	Kharkov (University)	50 0	36 14	140	..	1017·2	— 3·2	..	275	..	..	248	..	263·8	—2·1	*263·7*	33	+ 8
444a	Novorossiisk	44 40	37 49	37	..	1015·1	..	..	286	..	..	266	..	276·4	+1·0	*276·3*	116	+ 56
445	Tiflis	41 43	44 48	409	..	1017·4	— 4·5	..	290	..	..	271	..	277·7	+2·7	*277·7*	33	+ 13
446	Astrakhan	46 21	48 2	—14	..	1019·4	— 3·7	..	278	..	..	249	..	266·4	—0·6	*266·3*	29	+ 19
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	—15	..	1017·4	..	..	286	..	..	269	..	278·4	+2·1	*278·4*	..	..
449	Tachkent	41 20	69 18	478·3	962·6	1020·8	— 3·6	283·4	292·5	26th	272·2	262·2	28th	277·8	+4·0	*277·2*	65	+ 30
450	Ingiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	275·8	285·6	28th	255·6	244·2	8th	264·1	+5·4	*264·0*	25	+ 17
452	Vernyi	43 16	76 53	? 835	922·2	1023·9	— 3·5	277·3	284·0	..	..	..	..	270·4	+5·4	*270·3*	60	+ 35
461	Mukden	41 48	123 23	43·8	1015·6	1021·3	— 4·4	274·6	285·0	26th	262·1	249·2	19th	268·4	+6·9	268·0	10	+ 6
462	Joshin	40 40	129 11	4·0	1017·6	1018·1	— 1·7	276·4	282·2	25th	266·6	260·5	19th	271·5	+3·8	271·2	51	+ 35
463	Vladivostok	43 7	131 54	26·8	1015·8	1019·2	— 4·2	271·4	280·7	..	261·6	253·5	..	266·5	+4·0	..	39	..
464																		
465	Ochiai	47 20	142 44	15·0	1012·9	1014·9	..	267·5	276·1	28th	250·3	236·8	5th	258·9	..	259·8	9	..
466	Nemuro	43 20	145 35	26·7	1009·2	1012·6	— 0·2	272·4	277·4	28th	264·4	259·0	12th	268·4	+1·2	268·7	50	+ 30
		N.	E.															

Between Latitude 40° N. and 30° N. FEBRUARY—ZONE 5 (Western Half).

		N.	W.															
511	San Francisco	37 48	122 26	47·2	1015·7	1021·3	+ 2·0	288·9	293·0	28th	282·3	279·7	26th	285·6	+1·9	*285·2*	10	— 86
512	San Luis Obispo	35 18	120 39	61·3	1012·9	1020·3	+ 0·7	291·8	298·0	28th	279·9	273·0	26th	285·8	+1·4	*285·5*	1	— 91
513	Modena	37 48	113 54	1670	833·8	1017·9	+ 0·7	282·4	288·6	17th	265·2	258·0	26th	273·8	+1·0	*273·6*	2	— 30
514	San Diego	32 43	117 10	26·5	1014·0	1017·3	— 0·7	291·1	296·3	1st	281·8	279·1	25th	286·4	+0·9	*286·3*	0	— 51
515	Santa Fé	35 41	105 57	2138	783·9	1016·6	+ 1·4	279·1	285·8	18th	265·1	258·0	4th	272·1	—0·9	*271·8*	10	— 13
516	Denver	39 45	105 0	1613	835·7	1018·9	+ 2·7	277·8	286·3	17th	266·0	250·8	29th	271·9	—0·6	*271·6*	34	+ 20
517	Abilene	32 23	99 40	529·7	955·1	1017·6	0·0	286·5	300·2	18th	272·9	260·8	4th	279·7	—0·4	*279·5*	29	0
518	Saint Louis	38 38	90 12	172·8	996·8	1017·9	— 1·7	274·7	288·0	18th	266·8	251·3	4th	270·8	—3·1	*270·6*	71	— 3
519	Mobile	30 41	88 2	17·4	1015·1	1017·3	— 2·4	287·7	294·7	26th	277·4	269·1	5th	282·5	—2·2	*282·3*	140	0
520	Nashville	36 10	86 47	166·4	997·8	1018·3	— 1·7	280·3	290·2	25th	269·6	255·2	4th	275·0	—3·1	*274·9*	107	— 5
521	Charleston	32 47	79 56	14·6	1014·5	1016·2	— 3·7	285·2	292·4	26th	276·5	268·6	11th	280·9	—3·1	*280·6*	131	+ 43
522	Washington	38 54	77 3	34·1	1011·8	1016·2	— 3·4	276·8	286·3	21st	268·1	259·1	11th	272·4	—1·9	*272·3*	69	— 20
523																		
524	Bermuda	32 17	64 46	46·0	..	1016·6	— 2·4	292·0	295·1	27th	286·2	282·5	15th	289·1	—0·4	..	93	— 29
531	Horta	38 32	28 38	30	..	1001·8	—20·3	288·6	291	2nd, 29th	284·6	281	sev. dates	286·6	—1·1	..	159	+ 46
532	Ponto Delgada	37 44	25 40	17	..	1004·0	—15·4	288·2	290	26th	284·2	281	4th, 18th	286·2	—0·7	..	119	+ 31
533	Madeira (Funchal)	32 37	16 54	25	1012·0	1015·0	..	290·9	292·1	3rd, 23rd	283·1	280·0	13, 14, 15	287·0	..	..	195	+111
534	Lisbon	38 43	9 9	95·4	1000·2	1011·7	— 8·2	288·6	293·9	24th	283·8	281·1	12th	286·2	+1·9	286·1	202	+115
535	Casablanca	33 37	7 35	17	1014·4	1016·4	..	..	..	..	..	..	..	..	..	..	..	..
536	Gibraltar	36 6	5 21	16	1011·9	1013·9	— 4·7	290·7	294·7	25th	283·3	279·7	11th, 12th	287·0	+0·4	..	307	+201
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 5 (Eastern Half).

Table representing the meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·0	−1·1	293·1	303·7	25th	285·5	279·2	1st	289·3	+2·5	..	24	− 42
538	Palma	39 33	2 42	..	..	1015·2	−2·4	290·1	295	25th	282·4	277	1st	286·2	..	..	20	..
538a	Tunis	36 48	10 10	43	..	1018·0	+0·7	292·0	300·0	25th	282·3	277·0	17th	287·2	+3·1	..	21	− 25
539	Malta	35 54	14 31	59	..	1019·2	+3·6	289·5	295	25th	284·6	282	1st, 18th	287·0	+1·4	..	60	+ 3
540	Catania	37 30	15 3	64·9	..	1016·8	+1·7	289·8	292·9	10th	282·2	277·6	18th	286·0	+2·4	..	12	− 43
541	Athens	37 58	23 43	107·1	..	1015·9	−1·7	287·6	292	3, 12, 25	281·0	275	18th, 19th	284·3	+1·9	*284·2*	58	+ 20
542	Alexandria	31 9	29 54	32·0	..	1018·0	+0·3	292·7	297	12th	284·6	280	18th, 19th	288·6	+0·4	*288·0*	24	+ 1
543	Cairo (Helwan)	29 52	31 20	115·6	..	1018·7	+0·4	294·4	299	28th	282·4	279	6th	288·4	+1·3	288·1	6	+ 3
544	Nicosia	35 12	33 24	22·1	..	1015·9	−1·0	290·8	294	10, 11, 12	278·3	276	5th, 6th	284·6	+1·3	..	37	− 6
544a	Beirut	33 54	35 28	52·4	..	1015·9	+1·9	290·6	296	1st	284·5	271	19th, 20th	287·6	+0·8	..	116	− 32
545	Baghdad	33 21	44 28	38·7	1013·3	1018·0	−0·3	293·4	297·7	25th	281·4	277·4	15th	287·4	+2·7	..	13	− 22
546	Lenkoran	38 46	48 52	−19	1020·0	1017·7	−4·2	..	287·2	5th	276·5	274·0	20th	279·1	+1·1	*279·1*	82	+ 4
547	Busrah	30 31	47 53	7·6	1016·6	1017·8	..	291·9	295·4	19th	283·8	281·6	5th	287·9	+0·8	..	7	− 20
548	Meshed	36 16	59 35	946	905·3	1016·2	..	286·2	291·6	15, 19, 20	273·7	270·6	13th	280·0	+3·9	..	12	− 12
549	Quetta	30 11	67 3	1677	835·1	..	+1·4	288·2	298·1	21st	273·7	269·5	1st	281·0	+2·2	*280·9*	9	− 42
550																		
551	Lahore	31 34	74 20	214	990·1	1015·8	−0·8	298·1	303·5	22nd	282·1	278·9	7th	290·1	+2·4	*289·5*	0	− 25
551a	Simla	31 7	77 8	2204·3	781·3	..	..	283·8	289·4	23rd	277·3	272·4	17th	280·6	+2·7	*280·5*	42	− 42
552	Leh	34 10	77 42	3506	666·1	..	+3·0	273·9	278·5	29th	260·2	254·1	5th, 6th	267·1	+0·4	*266·1*	4	− 5
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	..	..
559	Hang Kow	30 35	114 17	37·0	1018·6	1023·1	−2·7	285·5	294·4	24th	277·2	271·3	6th	281·4	+3·6	..	51	0
560	Tiensin	39 10	117 10	5·0	1022·2	1022·8	−4·2	279·4	286·0	24th	269·3	262·1	6th	274·4	+3·6	..	3	0
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1021·7	−3·4	285·1	293·3	24th	275·0	268·0	7th	280·1	+2·7	279·2	39	− 19
562	Chemulpo	37 29	126 32	67·6	1011·9	1020·5	−2·4	278·9	288·4	26th	271·0	266·7	2nd, 17th	275·0	+2·5	274·3	60	+ 2
562a	Nagasaki	32 44	129 52	133·0	1003·1	1019·4	−1·7	285·6	294·6	27th	277·9	272·9	19th	281·7	+2·6	281·6	190	+112
563	Kioto	35 1	135 46	49·4	1012·3	1018·4	−1·2	285·2	291·9	26th	273·5	267·4	13th	279·3	+3·1	278·9	168	+107
564	Tokio	35 41	138 45	21·3	1013·2	1015·8	−0·9	284·5	293·0	28th	274·1	268·6	13th	279·3	+2·4	279·1	120	+ 48
565	Miyako	39 38	141 59	30·4	1011·1	1014·9	−0·5	281·6	294·3	28th	269·8	263·6	9th	275·7	+2·4	274·9	55	− 9
566		N.	E.															

FEBRUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1016·1	1017·5	+3·1	297·3	299·7	..	291·8	288·6	..	294·6	−0·2	..	77	− 46
606																		
615	Zacatecas	22 47	102 35	2610	744·8	..	..	286·0	291·4	26th	275·4	268·0	21st	280·7	..	..	2	..
616	Leon	21 7	101 41	1798·6	823·2	..	−1·7	294·3	300·9	26th	279·0	274·9	10th	286·7	−1·7	..	9	..
617	Galveston	29 18	94 50	16·5	1015·9	1017·9	−0·3	287·6	294·1	25th	280·7	270·2	4th	284·2	−2·0	*284·1*	49	− 33
618	New Orleans	29 58	90 4	15·5	1015·5	1017·6	−1·4	288·7	296·9	20th	279·0	270·2	5th	283·8	−2·7	*283·6*	95	− 20
619	Havana	23 8	82 22	24·3	..	1017·0	−2·2	297·1	302·7	25th	290·7	285·8	9th	293·9	−0·6	294·2	52	+ 23
620	Key West	24 33	81 48	6·7	1015·9	1016·6	−1·7	294·9	300·2	26th	289·5	284·7	9th	292·2	−2·3	*292·1*	85	+ 43
621	Nassau, Bahamas	25 5	77 21	7·6	1016·2	1017·0	−1·6	296·9	301·9	27th	291·1	286·9	2nd	294·0	−1·0	..	23	− 23
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	293·6	303·1	..	286·1	283·3	..	289·9	+0·1	..	101	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1017·9	1019·0	−1·3	297·6	302·0	5th	288·0	285·4	20th	292·8	+2·7	..	55	+ 40
637	Insalah	27 17	E 2 27	330	983·6	1022·2	−0·3	302·0	306·4	4th	283·7	276·5	2nd	292·9	+4·7	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1023·6	+2·1	298·6	306	13th	278·4	274	19th	288·5	−0·1	*289·0*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	?1015·9	?−2·1	300·9	308	1st	281·4	275	20th	291·2	+0·6	*291·5*	..	..
643	Suez	29 57	32 32	3·4	..	1018·2	+0·8	296·1	300	1st	284·0	280	21st, 22nd	290·0	+1·6	..	1	− 2
644	Aswan	24 2	32 53	99·6	..	1018·7	+0·4	300·3	307	1st	284·4	280	20th	292·4	+0·8	*291·8*	..	..
647	Bushire	28 59	50 53	4	1016·1	1016·7	−1·0	292·5	300·1	19th	284·9	282·4	16th	288·7	+0·6	..	10	− 42
648	Jask	25 44	57 47	4	1015·6	1016·1	−0·5	297·8	300·1	26th	289·8	287·9	1st	293·8	+0·6	..	15	− 7
649	Karrachee	24 53	66 57	4	1015·1	1015·5	−0·7	300·1	303·6	25th	290·3	286·9	3rd, 6th	295·2	+1·6	*294·9*	0	− 10
650	Hyderabad, Sind	25 24	68 18	29	1011·5	1014·9	−1·4	302·7	308·3	21st	286·9	282·2	2nd	294·8	+2·1	..	0	− 7
651	Jaipur	26 56	75 52	436	965·4	1015·8	−0·4	300·7	307·0	22nd	283·9	281·7	6th	293·3	+1·8	*292·7*	40	+ 34
652	Nagpur	21 8	79 5	310	978·9	1014·4	−0·3	303·6	308·3	29th	290·1	285·9	20th	296·9	+0·1	*296·7*	116	+105
653	Allahabad	25 25	81 51	91	1003·9	1015·0	−0·5	301·2	306·1	25th	285·2	281·6	7th	293·2	+1·3	*292·6*	1	− 12
654	Calcutta	22 36	88 23	6	1013·5	1014·3	−0·7	302·2	305·7	29th	290·8	287·4	21st	296·5	+1·7	*296·0*	19	− 10
655	Gauhati	26 8	91 41	59	1008·7	1015·8	..	298·9	301·2	18th, 24th	285·7	282·2	5th	292·3	..	..	53	+ 30
655a	Cherrapunji	25 15	91 42	1313	870·0	..	..	289·6	292·3	23rd	282·4	279·4	19th	286·0	..	..	120	+ 53
656	Shillong	25 33	91 48	1500	850·6	..	..	290·5	292·9	2, 23, 25	279·7	275·6	7th	285·1	..	..	25	− 9
656a	Akyab	20 11	92 56	6	1013·9	1014·5	+0·2	301·7	304·6	23rd	290·3	288·0	5th, 14th	296·0	+0·2	*295·8*	15	+ 12
657	Phu Lien	20 48	106 37	115·6	1003·4	1017·2	0·0	293·0	299·0	27th	287·7	282·2	8th	290·4	−0·2	289·7	37	+ 12
658	Moncay	21 31	107 51	10	1016·5	1017·7	+0·4	292·5	301·2	27th	286·4	279·4	2nd	289·5	+0·4	..	59	+ 12
659																		
660	Hong Kong	22 18	114 10	33·2	..	1018·1	−0·8	291·0	297·9	28th	286·6	281·8	1st	288·8	+1·1	288·5	62	+17
661	Taihoku, Formosa	25 2	121 31	9·3	1018·2	1019·3	−1·5	292·8	302·4	27th	286·0	282·7	3rd	289·4	+2·0	288·9	63	− 68
662	Naha	26 13	127 41	10·5	1017·8	1019·0	−0·2	293·0	300·1	27th	286·9	282·5	5th	290·0	+1·2	289·8	150	+ 32
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	842·9	..	..	295·9	302·2	29th	282·9	279·4	1st	289·4	..	..	40	..
716	Morelia	19 14	100 7	1933	809·4	..	..	292·9	299·4	26th	277·7	274·3	13th	285·3	..	..	23	..
717	Salina Cruz	16 12	95 16	56·3	1007·3	1013·9	..	..	303·4	18th	..	288·5	5th	296·2	..	..	0	..
718	México	19 26	99 8	2280	778·9	..	−0·8	292·4	300·1	25th	278·4	271·6	6th	285·4	−1·8	285·6	9	+ 2
718a	Oaxaca	17 4	96 44	1563	846·3	..	..	299·8	305·9	25th	281·3	278·0	1st	290·6	..	..	14	..
719	Belize	19 29	88 12	1·9	1019·2	1019·4	+2·8	300·6	303·6	18th	293·9	288·0	1st	297·3	..	..	0	− 66
720	San Salvador	13 44	89 9	657	938·6	1012·4	+1·0	303·5	306·0	23rd	287·3	283·6	18th, 19th	295·4	−1·2	..	0	− 5
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·0	+0·2	300·9	303·4	23rd	292·6	289·0	9th	296·8	−0·7	*296·4*	55	+ 16
722	Port au Prince	18 34	72 22	37·4	1010·9	1015·2	+1·7	304·8	308·0	25th	293·5	291·0	27th	299·2	..	298·5	31	− 19
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·9	1014·7	..	301·2	302·2	..	295·5	293·2	..	298·4	..	..	69	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·5	1013·5	−0·6	301·0	301·9	12, 20, 27	296·1	294·1	15th	298·6	+0·7	..	54	− 21
725	Barbadoes	13 8	59 36	55·2	..	1013·1	..	300·9	302·6	29th	295·6	291·2	10th	298·3	0·0	*298·1*	19	− 18
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·7	1015·9	+1·3	297·3	299·5	27th	292·5	292·0	14, 16, 23	294·9	+0·4	..	0	− 11
732	San Tiago, C. Verde Is.	14 54	23 31	34	1013·1	1017·0	..	299·6	303·5	28th	293·7	292·0	1st, 13th	296·7	..	..	0	..
733	Bathurst	13 24	16 36	5	1012·7	1013·3	+0·4	301·5	311·3	27th, 29th	292·6	288·6	8th	297·1	−0·1	..	0	0
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	311·9	314·1	20, 22, 23	289·5	285·8	2nd	300·7	..	..	0	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	289·0	286·5	1st	..	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	..	1011·9	−0·5	310·0	314·0	..	287·2	283·0	..	298·6	+2·2	*298·4*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·0	308·0	6, 13, 18	291·2	288·0	23rd	298·6	−0·2	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	310·3	312·4	7th	291·3	286·3	29th	300·8	0·0	..	0	0
739	Maiduguri	11 48	13 12	370	..	..	..	307·9	310·8	14th, 15th	287·1	284·1	13th, 22nd	297·5	..	..	0	0
740	Katagum	12 17	10 22	30·7	..	..	..	308·6	311·9	15th, 16th	286·3	281·9	9th	297·5	..	..	0	0
742	Kadugli	11 2	29 45	503	..	..	..	308·9	313·0	2nd, 7th	289·5	283·5	27th	299·2	..	..	0	..
743	El Obeid	13 11	30 14	585	..	1015·8	+0·9	304·2	311	1st	284·9	279	20th	294·6	−0·8	*295·3*	0	0
744	Khartoum	15 37	32 33	390	..	1015·1	+2·0	304·1	310	1st	287·8	282	20th	296·0	−0·8	*296·2*	0	0
746	Aden	12 45	45 3	28·7	1012·6	1015·9	+0·8	299·9	301·9	28th	295·9	294·3	23rd	297·9	−0·4	*297·3*	7	− 1
751	Bombay	18 54	72 49	11·3	1012·9	1014·2	−0·3	302·2	306·3	22nd	294·8	292·2	3rd	298·5	+1·3	*298·0*	0	− 1
752	Mysore	12 18	76 40	768	928·7	1013·1	+0·2	304·8	306·6	29th	292·2	290·2	22nd	298·5	+1·2	*298·1*	0	− 4
752a	Kodaikanal	10 13	77 28	2343	772·4	..	−0·3	292·8	294·9	11th	282·6	279·7	22nd	287·7	+0·8	286·6	16	− 28
753	Madras	13 4	80 14	6·7	1013·3	1014·1	−0·5	303·4	304·9	29th	294·8	292·2	26th, 27th	299·1	+0·8	299·1	0	− 8
754	Waltair	17 45	83 16	68·9	1007·0	1015·0	+0·1	302·1	303·3	22nd	295·6	294·3	1st	298·9	..	*298·4*	1	− 25
755	Port Blair	11 40	92 40	17·7	1011·2	1013·2	+0·1	303·4	304·5	26th, 27th	297·4	294·7	16th	300·4	−0·1	*299·9*	1	− 25
756	Rangoon	16 46	95 48	5·5	1013·1	1013·8	+0·1	305·7	308·3	24th	293·1	291·8	1, 15, 29	299·4	+0·1	*298·2*	0	− 7
757	Saigon	10 46	106 42	11·2	..	1012·2	+1·2	308·4	311·7	20th	294·6	291·9	1st	301·5	+1·1	..	1	− 46
758	Nhatrang	12 16	109 12	6·8	..	1014·3	+0·7	303·4	305·6	29th	294·2	290·9	11th	298·8	+0·7	..	17	− 2
759	Bolinao	16 24	119 53	9·7	..	1012·6	..	304·3	306·9	25th	294·6	291·6	4th, 5th	299·5	..	298·7	0	− 13
760	Vigan	17 34	120 23	14·7	..	1013·0	..	303·5	308·3	20th	293·8	290·7	4th	298·7	..	298·2	0	− 3
761	Manila	14 35	120 59	14·2	..	1012·9	+0·2	305·2	307·3	17th, 28th	293·2	290·6	10th	299·2	0·0	298·3	25	+ 14
762	Ormoc	11 0	124 36	5·6	..	1011·8	..	303·6	305·2	14th	294·0	290·4	8th	298·8	..	..	91	− 10
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	..	..	301·4	302·6	20th	296·1	295·4	4th, 28th	298·8	..	..	33	..
		N.	E.															

Between Latitude 10° N. and 0°.

FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	1011·8	+0·6	302·8	305·5	11th	297·7	294·9	22nd	300·3	+0·4	..	629	+293
819	Culebra	9 10	79 40	123·1	..	1011·6	0·0	304·1	305·8	10th	294·7	291·3	2nd	299·4	+0·3	..	8	− 6
822	Caracas	10 31	66 56	?	899·2	..	..	299·9	302·7	..	288·7	284·4	..	294·3	..	..	0	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1014·4	1014·6	..	303·4	304·2	12th	296·4	296·1	18th	299·9	..	..	12	..
826	Paramaribo	5 49	55 9	4	1013·7	1014·1	..	302·9	304·2	14th	293·9	290·6	17th	298·4	..	*297·4*	6	..
826a	Cayenne	4 56	52 21	6	..	..	..	303·0	303·8	8, 10, 20	297·1	294·4	13th	300·1	+0·9	..	?25	?−307
833	Conakry	9 31	13 43	16	1009·6	1011·5	+1·0	305·5	308·4	..	296·5	293·8	..	301·0	+0·4	..	0	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	305·6	309·2	3rd	296·6	294·7	18th	301·1	0·0	..	16	+ 8
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·8	308·0	29th	299·1	294·7	13th	300·9	+1·0	..	8	− 18
836	Accra	5 35	W 0 6	18	..	..	..	303·7	307·4	21st	294·9	288·6	22, 23, 25	299·3	−0·8	..	5	− 22
837	Lagos	6 22	E 3 28	7·6	1010·2	1011·1	+0·8	304·6	306·1	..	297·8	294·8	..	301·2	+0·4	..	47	− 2
838	Zungeru	9 48	6 10	130	..	1011·5	+0·7	310·3	311·9	7, 12, 17	292·2	285·8	10th	301·2	−0·4	..	0	0
838a	Libreville	0 23	9 26	35	..	..	..	304·9	306·4	15th, 16th	296·6	294·8	17th	300·8	+1·1	..	239	+ 37
839	Yola	9 12	12 30	259	..	..	..	308·7	310·8	15th	294·9	290·2	16th	301·8	+0·4	..	0	0
841	Kafia Kingi	9 22	24 18	596	949·0	1015·9	..	..	..	..	..	..	..	295·9	..	..	0	..
842	Wau	7 42	28 3	440	..	1011·4	+1·5	308·0	312	7th	289·6	283	28th	298·8	−1·5	..	0	− 12
843	Entebbe	0 5	32 29	1177	883·4	..	+1·3	299·4	302·8	25th	290·7	289·1	22nd	295·1	−0·1	..	91	+ 8
844	Nandi	0 2	35 5	2010	..	..	..	298·3	303·0	2nd	284·1	281·3	27th	291·2	..	..	252	..
845	Harrar	9 42	42 30	1856	..	..	..	297·4	301·0	27th, 29th	286·6	285·0	sev. dates	292·0	..	..	88	..
851	Cothin	10 0	76 21	2·7	1012·7	1012·8	−0·2	305·3	306·4	9th	297·5	296·7	5 dates	301·4	+0·7	*300·9*	26	+ 7
852	Colombo Observatory	6 54	79 53	7·3	1009·9	1010·7	+0·3	305·4	308·1	22nd	295·3	292·6	24th	300·3	+0·6	*299·8*	57	+ 41
853	Candy	7 18	80 40	504·5	..	..	..	304·2	306·1	24th	292·5	288·0	18th	298·4	+0·9	..	20	− 41
855	Medan	3 35	98 41	23·5	..	1010·2	−1·2	..	..	..	..	..	..	..	..	..	90	− 8
856	Kota Radja	5 32	95 20	7·1	..	1011·5	..	..	..	..	..	..	..	..	..	..	248	+159
857	Penang	5 34	100 20	5·0	1008·2	1008·8	−1·0	307·3	308·0	9th	295·4	294·1	1st	301·4	+0·6	..	36	−104
858	Singapore	1 17	103 51	2·2	1010·7	1011·0	+0·6	304·7	306·3	11th	296·3	294·4	5th	300·5	+0·6	..	379	+186
860	Sandakan	5 49	118 12	..	..	..	..	303·1	303·6	sev. dates	296·4	295·8	2nd	299·8	+0·3	..	25	−258
861	Tagbilaran	9 38	123 51	26·2	..	1011·4	..	304·5	305·9	7th, 21st	..	..	..	..	..	299·4	156	+ 45
862	Surigao	9 48	125 29	6	..	1010·8	..	301·9	303·4	23rd	295·8	292·7	1st	298·9	..	..	198	−202
863	Yap	9 29	138 8	31·9	..	1009·4	..	302·5	303·3	10th, 23rd	296·1	292·4	27th	299·3	..	..	66	..
869	Uyelang	9 42	161 2	10	..	..	..	..	..	..	..	..	..	..	..	..	16	− 25
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

† Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	306·2	307·4	1st, 2nd	295·7	293·6	9, 11, 12	300·9	−0·3	..	236	+205
906																		
923	Manaos	3 8	59 59	32·4	1002·9	1006·5	−1·8	..	..	..	..	..	..	301·5	+0·7	..	75	−136
930	Fernando Noronha	3 51	W32 25	95·0	1000·2	1011·1	..	..	302·2	..	..	294·6	..	..	..	298·8	258	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	307·2	309·2	17th	293·4	292·0	9th, 26th	300·3	+0·1	..	317	..
940	Loango	4 38	11 50	? 50	..	..	..	302·9	304·8	27th	296·4	294·5	20th	299·7	..	..	170	..
943	Daressalam	6 49	39 18	7·6	1009·4	1010·2	..	302·6	305·0	5th	297·7	294·9	25th	300·2	..	300·1	171	..
944	Nairobi	1 18	36 59	1660	..	..	..	297·3	301·6	17th	284·9	277·9	16th	291·1	..	..	353	+312
944a	Zanzibar	6 10	39 11	21·9	1010·3	1012·7	0·0	302·9	305·6	6th, 20th	299·1	295·0	25th	301·0	−0·7	..	135	+ 73
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·8	306·9	23rd	297·1	293·0	5th	300·0	..	..	23	..
947	Seychelles	4 37	55 27	4·6	1010·9	1011·4	0·0	301·9	303·3	..	298·6	296·9	..	300·3	+0·5	..	572	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·7	−0·8	..	..	..	..	..	..	..	..	..	270	+ 21
957	Batavia	6 11	106 50	8	1009·5	1010·4	+0·4	302·9	304·8	27th	296·7	295·2	17th	299·8	+0·8	299·1	241	− 80
958	Pontianak	0 1	109 20	2·6	..	1010·0	+0·4	..	..	..	..	..	..	..	..	..	329	+132
959	Passerocan	7 38	112 55	5·0	..	1009·7	+0·7	303·9	305·5	..	297·0	296·0	..	300·5	..	*299·8*	217	− 45
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1009·6	..	..	..	..	..	..	..	..	..	..	596	+217
962	Ambon	3 42	128 10	4·2	..	1009·8	+1·3	..	..	..	..	..	..	..	..	..	116	+ 8
965	Daru	9 4	143 13	8	..	1009·6	0·0	307·2	..	..	297·2	..	..	302·2	+1·9	..	153	−147
966	Port Moresby	9 29	147 9	39	..	1011·2	+2·3	305·0	..	..	297·8	..	..	301·4	+0·7	..	465	+231
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	443	− 88
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·4	1006·7	−0·2	305·3	306·9	9th, 29th	298·0	295·2	25, 26, 29	301·7	+1·2	..	160	−261
970	Ocean Island	0 52	169 36	27·8	..	1007·9	−0·1	303·5	305·2	5th	297·3	295·8	20th	300·4	−0·4	..	420	+180

FEBRUARY—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1006·6	−1·4	..	304·7	..	..	295·9	..	300·1	+1·2	..	216	−206
1003	Alofi, Niue Island	19 2	169 55	36·6	1007·1	1011·3	−0·5	305·9	308·6	13th, 17th	295·8	293·6	6th	300·9	+0·8	..	147	−169
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1009·5	..	303·7	305·1	..	297·1	295·5	..	300·4	..	..	311	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1012·7	1013·9	..	297·5	300·0	7th	290·5	288·2	23rd	294·0	−0·1	..	0	..
1022	Arequipa	16 22	71 33	2451	761·9	..	+ 1·3	294·1	296·3	25th	283·1	280·8	5, 6, 18	288·6	+0·9	..	12	..
1023																		
1024	Sucre, Bolivia	..	..	..	..	..	..	..	..	..	..	..	..	293	+2	..	176	+ 62
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·2	+2·3	302·3	304·2	18th	297·7	296·5	22nd	300·0	+0·2	..	331	..
1035	St. Helena	15 57	W 5 40	632	945·1	1017·5	−0·2	295·4	298·8	26th	288·9	288·0	1, 9, 12	292·2	+0·5	*292·0*	157	+ 70
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·2	..	..	301·8	304·8	..	288·7	283·4	..	295·3	..	..	24	..
1043	Salisbury, Rhodesia	17 49	31 3	1487	855·7	..	..	300·2	302·9	..	288·8	285·2	..	294·5	..	..	117	− 68
1044	Zomba	15 23	35 18	899	904·5	1004·0	+1·8	300·6	303·0	7th	289·3	288·0	28th	294·9	0·0	..	258	− 22
1045	Tamatave	18 9	49 26	4	1008·3	1008·7	−1·5	..	..	..	298·3	296·8	..	300·6	..	..	730	+404
1046	Tananarivo	18 55	47 32	1400	861·9	..	−0·6	298·6	302·0	5th	289·2	285·0	27th	293·9	−0·5	292·8	151	−135
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1011·0	+0·5	302·6	304·7	28th	297·9	295·8	3rd	300·3	−0·3	..	302	+124
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·3	1007·9	+0·6	304·2	306·0	..	297·6	296·1	..	300·9	+0·5	..	176	−108
1058																		
1061	Derby	17 18	123 40	16·2	..	1009·2	+2·3	306·3	311·8	5th	298·3	294·7	16th	302·3	−0·9	..	194	+ 35
1062	Hall's Creek	18 13	127 46	373·4	..	1009·3	+2·5	307·4	313·0	12th	296·1	294·1	18th	301·8	−1·1	..	117	− 4
1063	Port Darwin	12 28	130 51	29·6	..	1009·0	+3·1	304·2	306·4	17th	297·7	296·2	6th	301·0	−0·6	*299·9*	363	+ 33
1064	Daly Waters	16 16	133 23	213	..	1008·1	..	308·6	311·9	9th	296·8	295·2	19th, 26th	302·7	0·0	..	110	− 58
1065	Mein	13 13	142 57	121·9	..	1008·9	..	305·4	307·1	10th	294·5	291·4	4th	299·9	..	..	141	−146
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	306·5	309·2	8th	295·4	292·8	11th	301·0	..	..	143	− 29
1067	Samarai	10 37	150 40	6·4	..	1010·9	+2·9	303·5	..	..	297·8	..	..	300·7	0·0	..	424	+187
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1010·6	+1·5	302·9	304·1	5th	297·0	294·1	3rd	299·9	0·0	..	227	−25

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. FEBRUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·5	304·4	2nd	296·8	294·1	22nd	299·2	..	..	274	..
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1015·2	1018·7	..	301·3	304·0	15th	292·7	290·8	23rd	297·0	..	296·8	20	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1011·0	1014·0	..	293·5	294·9	23rd	289·1	288·0	19th, 29th	291·3	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1012·0	1012·6	−0·6	301·5	301·9	21st	289·7	289·1	1st	295·6	+0·3	..	0	0
1125	Goya	29 9	59 15	64	1004·8	1012·2	..	304·7	309·8	2nd	292·9	288·0	8th	298·8	+0·3	*298·6*	109	+ 13
1126	Porto Alegre	30 2	51 13	26	1008·8	1011·8	..	304·6	308·5	5, 6, 19	294·3	289·6	20th	299·5	..	*299·2*	35	..
1127	Curityba	25 26	49 16	908	911·7	1012·8	−1·3	300·8	303·7	2nd	290·6	288·0	1st	295·7	+1·7	..	273	+132
1128	Rio de Janeiro	22 54	W43 10	64	..	1011·1	−0·7	303·1	306·9	3rd	296·9	294·6	19th	300·0	+0·9	..	102	− 8
1139	Windhuk	22 34	E17 5	1665·3	833·3	..	..	299·8	303·6	2nd	288·9	284·5	6th	294·4	..	293·8	171	..
1140																		
1141	Johannesburg	26 11	28 4	1874	823·5	..	+0·8	297·7	299·9	2nd	287·7	283·1	27th	292·7	+1·6	*292·2*	134	+ 8
1142	Kimberley	28 43	28 46	?1232	881·6	..	+0·6	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	869·3	..	+1·1	302·7	306·9	22nd	289·8	285·3	28th	296·3	+1·5	..	180	+ 60
1143	Durban	29 51	31 0	79·9	1004·8	1014·1	−2·1	302·1	305·4	22nd	293·8	290·6	27th	297·9	−0·2	..	72	− 46
1144	Lorenzo Marques	25 58	32 36	59	..	1013·5	+0·7	304·2	308·0	6th	295·3	292·2	27th	299·7	+0·7	299·3	81	− 8
1147	Mauritius	20 6	57 33	54·3	1002·0	1008·3	−2·6	301·7	304·1	1st	296·8	294·7	16th	299·2	+0·1	298·9	800	+622
1148																		
1159	Onslow	21 43	114 57	4·3	..	1007·0	+0·3	308·3	313·3	27th	297·5	291·9	2, 5, 6	302·9	−0·1	..	1	− 18
1160	Peak Hill	25 38	118 47	588·3	..	1005·8	−0·7	312·6	316·6	24th	299·1	294·1	10th	305·8	+2·9	..	6	− 23
1161	Nullagine	21 53	120 5	385·6	..	1007·3	+1·3	310·3	313·9	16th	297·7	294·7	2, 6, 11	304·0	−0·4	..	144	+ 99
1162	Laverton	28 40	122 23	466·3	..	1010·6	−0·6	311·0	315·5	1st	295·9	289·7	17th	303·5	+3·9	..	16	− 5
1163	Alice Springs	23 38	133 37	587·0	..	1008·9	+2·1	307·2	312·7	7th	294·7	290·8	11th, 12th	300·9	+0·1	*301·1*	103	+ 58
1164	William Creek	28 55	136 21	76·2	..	1011·8	..	309·6	316·6	3rd	296·2	291·9	9th	302·9	+1·9	..	16	− 5
1165	Boulia	22 55	139 38	145·7	..	1007·8	+2·2	311·7	317·7	7th	298·4	295·2	18th	305·1	+2·2	..	39	− 16
1166	Mitchell	26 32	147 52	337·1	..	1011·1	..	308·9	312·4	7th	293·7	289·1	2nd	301·3	..	..	7	− 78
1167	Rockhampton	23 24	150 30	11·3	..	1013·5	+3·9	306·4	312·6	9th	295·1	291·4	1st	300·8	+1·3	..	82	−135
1168	Brisbane	27 28	153 2	41·7	..	1015·3	+3·2	304·4	307·2	13th	293·6	291·4	4th	299·0	+1·4	..	54	−116
1169	Noumea	22 16	166 27	9	1009·4	1010·4	..	303·2	306·8	9th	295·7	293·0	2nd	299·5	0·0	..	61	− 51
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	24	−127

Between Latitude 30° S. and 40° S. FEBRUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1019·5	1020·7	+1·8	296·4	299·0	24th	..	..	..	292·8	−0·4	..	0	− 33
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1009·5	1014·2	+0·5	296·1	302·3	7th	286·7	285·0	19th	291·4	−0·9	..	0	0
1222	Santiago	33 27	70 42	520	953·4	1013·2	+0·4	302·7	306·5	20th	283·7	281·6	7th	293·2	−0·4	291·6	0	− 2
1223	Cordoba	31 25	64 12	439	961·2	1011·0	−2·6	303·8	311·0	28th	288·6	278·1	21st	296·2	+0·1	295·6	104	− 2
1224	Buenos Ayres	34 16	64 11	25·2	1007·4	1010·3	−2·5	302·4	307·9	26th	289·2	280·0	21st	295·8	−0·3	295·8	15	− 51
1225	Rio Grande	32 2	52 6	2·3	1012·0	1012·3	..	299·4	303·2	29th	294·5	290·8	21st	297·0	..	..	130	..
1226	Montevideo	34 52	W56 12	29·3	..	1010·5	−2·6	..	302·3	7th	..	287·5	22nd	..	+0·8	295·6	104	+ 38
1239	Cape Town	33 56	E18 29	9	1013·0	1014·1	+0·7	298·4	305·4	26th	288·0	281·7	16th	293·2	−0·9	..	9	− 8
1240	Danger Point	34 37	19 18	20	..	..	..	294·1	296·3	9, 25, 27	288·9	285·2	23rd	291·5	..	..	23	..
1241	Heidelberg	34 5	20 58	1541	851·5	..	+2·7	300·1	302·9	17th	287·8	283·9	27th	294·0	+1·2	..	256	+229
1242	East London	33 2	27 55	10·1	1012·4	1013·6	−0·4	297·9	307·4	16th	291·7	288·0	13th	294·8	+0·6	..	42	− 24
1259	Perth (Observatory)	31 57	115 51	60·0	..	1013·7	+0·3	302·9	314·4	19th	291·2	285·9	7th	297·1	+0·7	..	10	+ 2
1260	Katanning	33 42	117 35	309·7	..	1012·9	−1·2	304·7	312·8	19th	288·2	282·0	3rd	296·5	+2·3	..	2	− 10
1261	Coolgardie	30 57	121 10	423·3	..	1011·5	−1·1	309·9	316·6	1st	292·8	287·4	17th	301·3	+4·2	..	3	− 16
1262	Eucla	31 45	128 58	4·6	..	1014·9	+0·7	301·2	316·6	15th	292·7	284·7	20th	296·9	+2·2	..	13	− 1
1263	Streaky Bay	32 48	134 13	13·1	..	1015·6	+1·6	304·0	312·0	2nd	291·1	285·8	14th, 19th	297·6	+2·3	..	18	+ 7
1264	Adelaide	34 56	138 35	42·7	..	1016·2	+2·0	305·6	317·9	2nd	292·3	285·2	19th	299·0	+2·7	..	10	− 5
1265	Melbourne	37 49	144 57	35·1	..	1017·4	+2·8	299·5	314·4	1st	288·9	283·9	29th	294·2	+1·6	..	24	− 21
1266	Bourke	30 13	145 58	110·1	..	1013·7	+2·6	311·3	316·6	7th	295·4	291·2	10th	303·3	+2·1	..	2	− 45
1267	Sydney	33 51	151 13	44·5	..	1017·2	+3·3	298·6	303·8	7th	291·9	289·1	20th	295·3	+0·6	..	178	+ 57
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	83	− 35
1271	Auckland	36 50	174 50	38·1	..	..	..	294·9	298·0	4th	287·4	282·4	18th	291·2	−1·2	..	92	+ 18
1272																		

Between Latitude 40° S. and 50° S. FEBRUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	289·3	293·0	27th	282·5	278·0	6th	285·9	−1·0	..	106	+ 47
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	289·1	292·5	23rd	283·2	281·1	20th	286·2	..	..	154	..
1322	Punta Galera	40 1	73 44	40	1012·2	1017·0	..	290·4	291·6	27th	282·7	280·9	21st, 22nd	286·6	..	..	122	..
1323	Bahia Blanca	38 45	W62 12	20	1007·8	1010·2	+0·7	301·4	308·5	25th	288·5	282·8	20th	294·9	0·0	*294·0*	89	+ 33
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1017·4	+4·2	296·4	311·3	3rd	286·1	281·3	15th	291·3	+1·3	..	7	− 30
1366	Launceston	41 27	147 10	9·4	..	1017·7	..	299·6	311·3	2nd	285·4	279·4	19th	292·5	+1·4	..	3	− 26
1369																		
1370	Dunedin	45 52	170 31	90	..	1013·1	+1·1	289·2	298·6	6th	280·3	276·9	Twice	284·8	−2·4	..	124	+ 51
1371	Christchurch	43 32	172 38	7·6	..	1015·0	+1·0	291·3	298·1	14th	281·4	276·3	20th	286·4	−2·8	..	47	− 1
1372	Wellington	41 16	174 46	2·4	..	1016·4	+1·2	291·6	295·4	29th	285·1	281·4	18th	288·4	−1·6	..	90	+ 5

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Max.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean	Precipitation. Total.	Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	989·5	996·2	..	..	..	..	..	..	..	281·1	..	..	352	..
1422	Puerto de Punta Arenas .	53 10	70 54	4	993·0	993·5	−2·0	286·3	291·0	12th	277·9	275·2	17th	282·1	−1·6	281·5	40	+10
1423	Punta Dungeness . .	52 24	68 25	5	992·7	993·3	..	287·0	292·8	12th	279·8	278·0	20th	283·4	..	..	16	..
1424																		
1425	Cape Pembroke . . .	51 41	57 42	21	..	993·0	−7·6	284·9	288·0	27th	279·1	276·3	10th	282·0	0·0	282·3	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	993·1	993·6	−2·5	282·5	289·2	14th	275·2	272·5	23rd	278·9	−0·5	*278·3*	222	+98
1430		S.	W.															

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys . . .	S. 60 44	W. 44 39	6·9	988·4	989·2	−1·7	275·9	277·8	8th	272·4	269·4	19th	274·2	+0·6	273·9	69	+39
1528																		

FEBRUARY—ZONE 16. Between Latitude 70° S. and 80° S.

1669		S.	E.															
1670	CapeEvans(McMurdo Sound)	77 38	166 24	18	..	999·8	+6·3	..	270·4	..	..	253·1	..	..	−2·8	262·4	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SSE	6·3	E 3	NE 4	SW 2	SW 2	NE 4	NE 3	SE 1	W 5	W 3	S	1·4
2	SSE	4·3	NE 4	NE 4	Calm 0	Calm 0	NE 3	NE 1	SW 2	NW 4	NW 3	Calm	1·0
3	SE by S	2·7	NE 4	NE 4	SW 4	Calm 0	E 2	E 2	SW 2	NW 4	NW 5	Calm	1·0
4	SE by S	2·9	N 4	NE 4	Calm 0	SW 4	NE 4	SE 2	SE 2	NW 3	W 3	NE	0·8
5	SE by S	5·8	NE 4	NE 4	Calm 0	SW 4	NE 3	W 2	SE 2	W 3	W 4	SE	0·8
6	SE by S	8·7	NE 4	NE 2	W 2	SW 2	NE 1	NE 1	SE 1	W 5	W 4	NE	7·1
7	SE by S	6·8	NE 4	NE 2	Calm 0	SW 4	NE 1	NE 1	SE 1	W 4	W 2	NE	6·6
8	SE by S	6·3	NE 4	NE 3	SW 2	SW 2	NE 1	W 3	Calm 0	NW 4	NW 3	NE	2·6
9	SSE	5·3	E 4	NE 5	SW 2	SW 4	W 1	NE 1	Calm 0	NW 3	NW 5	NE	1·9
10	SE	2·0	NE 5	NE 4	SW 2	W 2	NE 1	NE 1	SE 1	NW 4	NW 2	SE	1·9
11	SE by S	5·6	NE 4	NE 2	Calm 0	W 2	E 1	NE 2	SE 1	NW 4	NW 5	NE	1·9
12	ESE	5·8	NE 4	NE 3	W 4	W 2	NE 1	NE 1	SE 2	SE 3	SE 4	SE	3·1
13	SE	6·6	E 5	NE 4	W 2	W 4	E 2	E 2	SE 2	W 3	W 2	NE	4·0
14	SSE	4·5	NE 5	NE 4	Calm 0	SW 4	E 3	E 1	Calm 0	NE 4	NE 3	E	4·7
15	SSE	6·9	NE 4	NE 5	Calm 0	SW 2	E 1	Calm 0	SE 3	..	Calm 0	NE	2·9
16	SE	11·1	NE 5	NE 5	Calm 0	SW 4	Calm 0	SE 1	SE 4	NE 2	NE 3	E	2·3
17	SSE	11·1	NE 4	E 4	SW 2	SW 6	SE 2	E 1	SE 3	NE 1	NE 2	NE	1·3
18	SE	..	E 4	E 4	Calm 0	W 4	E 2	Calm 0	SE 2	W 5	W 4	N	2·1
19	SE by S	5·6	E 4	NE 5	Calm 0	SW 4	E 1	E 1	SE 3	W 3	W 2	NE	2·5
20	SE by E	4·6	E 4	NE 4	Calm 0	SW 4	E 2	E 2	SE 2	W 6	W 4	Calm	2·7
21	SSE	5·1	NE 4	NE 4	W 2	SW 4	E 4	E 1	SE 2	SW 4	SW 4	NE	0·8
22	SE by S	4·3	NE 5	NE 5	Calm 0	SW 2	E 2	E 1	SE 2	NW 1	NW 3	E	2·7
23	SE	5·2	E 5	E 5	SW 2	W 4	E 3	E 1	SE 3	SW 3	SW 4	NE	2·5
24	SE by S	4·6	NE 6	NE 5	Calm 0	W 2	E 2	E 1	Calm 0	NE 1	NE 3	NE	3·4
25	SE by S	3·9	NE 5	NE 4	SW 2	SW 4	E 1	Calm 0	SE 2	NE 2	NE 4	E	2·1
26	SSE	4·1	NE 4	NE 5	SW 2	SW 2	E 2	E 2	Calm 0	NE 2	NE 3	NE	3·3
27	SE by S	8·2	E 5	NE 4	Calm 0	Calm 0	E 4	E 1	Calm 0	NE 2	NE 3	E	1·7
28	SSE	7·2	E 5	NE 6	Calm 0	SW 4	E 3	E 1	SE 1	NE 3	NE 3	SE	2·7
29	SE by S	4·7	NE 4	NE 5	Calm 0	W 2	E 3	E 2	SE 3	NE 3	NE 3	SE	1·4
Mean for Month	..	5·7	4·3	4·1	1·0	2·9	2·1	1·3	1·6	3·1	3·2		2·5
Deviation from Normal	..	−1·2	..	..	..	..	−1·7		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1912.

**Greenland Sea.*—"At Angmagsalik the sea was completely covered with closely-packed 'Storis.'"

North Atlantic and Labrador.—"At first some isolated icebergs and floes were observed on the Newfoundland Banks; after the middle of the month the ice grew more abundant."

**Davis Strait.*—"Early in the month the first large supply of ice rounded Cape Farewell, and, owing to continuous S.W. wind, spread very much towards north, blocking the coast throughout the month right up to Fiskernaes. At Frederikshaab the 'Storis' froze together with the winter ice. Towards the end of the month young ice formed from Disko Bay northward, but did not become firm; there was firm ice in Melville Bay. At Upernivik and behind the island the sea was ice-free."

**Smith Sound.*—"Sledging round Cape Alexander was practicable, which is very rare."

**Behring Sea.*—"The sea ice reached a thickness of only 0·6 m. Between Point Barrow and Cape Prince of Wales there was no packed ice, and the sea was almost ice-free."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. MARCH—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay . .	76 30	68 55	6·5	1012·6	1013·5	..	..	..	..	..	..	..	246·7	..	..	4	..
124																		
125	Upernivik	72 47	W56 7	18·9	1009·0	1011·5	−1·1	..	..	..	248·9	235·5	4th	252·3	+0·1	..	8	−13
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1013·4	1015·0	+4·7	..	267·0	13th	245·0	228·7	31st	..	..	251·1	29	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1007·4	1008·2	+3·0	..	276·1	17th	267·5	257·0	7th	..	+0·3	*269·9*	81	+34
142	Mehavn	71 1	27 47	6·4	1008·2	1009·0	..	..	275·3	17th	266·3	257·4	7th	..	..	*268·9*	33	−14
143	Vardö	70 22	31 8	10·0	1009·5	1010·8	+4·6	..	273·8	22nd	265·9	259·3	7th	..	+0·1	*268·2*	40	−9
144																		
147	Malye Karmakouly . .	72 23	52 43	14·8	1015·4	1017·5	+5·6	..	271·2	18th	245·9	236·5	27th	251·9	−6·4	*251·7*	8	−1
148		N.	E.															

Between Latitude 70° N. and 60° N. MARCH—ZONE 2.

203	Nome	N. 64 30	W. 165 24	6·7	1006·4	1007·3	..	269·9	273·6	..	260·8	249·7	..	265·4	..	..	33	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	269·8	276·9	..	259·7	241·9	..	264·8	..	..	29	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	277·2	283·0	..	267·9	258·0	..	272·6	..	..	279	..
208	Eagle	64 46	141 12	248	981·4	1013·1	..	273·7	283·6	..	257·2	238·6	..	265·5	..	..	3	..
209	Dawson	64 4	139 20	321	979·3	1021·0	+2·9	267·5	278·0	26th	256·6	243·0	18th	262·1	+5·2	..	15	..
210	Carcross	60 11	134 34	662	..	..	..	271·4	282·4	27th	260·1	245·8	19th	265·8	..	..	3	..
211																		
212	Fort Simpson . . .	61 52	120 43	129	1004·8	1022·1	..	266·6	276·3	25th	252·4	240·8	15th	259·5	..	*260·3*	7	..
213	Hay River	60 51	115 20	161	1000·0	1021·6	..	263·4	272·6	4, 8, 25	249·3	231·9	18th	256·3	..	..	19	..
214	Fort Resolution . .	61 0	113 0	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
225	Jacobshavn . . .	69 13	51 22	12·6	1005·9	1007·5	−3·3	262·9	276·6	29th	254·6	242·9	5th, 6th	258·8	+1·0	..	3	−9
226	Godthaab	64 11	51 44	9	999·9	1001·1	−5·0	..	..	..	263·5	258·0	13th	266·1	+1·1	..	3	−43
229	Angmagsalik . . .	65 37	37 34	31·7	1002·4	1006·5	..	271·3	279·4	21st	260·2	249·0	3rd	265·8	..	..	18	..
230																		
231	Stykkisholm . . .	66 5	22 46	11·3	997·6	999·1	−6·9	274·2	277·0	20th	269·5	265·5	31st	271·9	+1·5	..	16	−33
232	Vestmanno. . . .	63 26	20 15	7·7	995·1	996·0	−8·8	278·2	281·2	19th	273·1	269·7	31st	275·7	+1·5	..	86	−21
233	Grimsey (Akureyri) .	66 33	17 58	6·8	1002·0	1002·9	−5·0	273·3	276·9	12th	269·6	263·8	31st	271·5	+2·0	..	1	−26
234	Berufjord	64 40	14 19	18	997·5	999·7	−7·3	276·1	278·2	19th	270·9	263·0	31st	273·5	+2·4	..	77	0
235	Thorshavn	62 3	6 45	25·7	994·2	997·3	−9·7	279·5	282·3	27th	275·3	268·3	31st	277·4	+1·4	..	103	−42
236	Lerwick	60 9	W1 8	18·0	995·9	998·0	−11·3	280·3	283·0	14th, 25th	276·2	271·9	31st	278·3	+1·6	..	90	..
237	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	996·3	1001·7	−9·4	..	283·3	10th	275·5	271·7	31st	..	+2·7	*277·6*	168	+17
238	Christiansund . .	63 7	7 45	17·8	999·4	1001·6	−7·6	..	283·2	15th	275·4	271·1	31st	..	+3·0	*277·6*	38	−42
239	Trondhjem	63 26	10 25	39·5	998·4	1003·3	−6·7	..	281·5	15th	272·1	267·6	9th	..	+3·0	*274·9*	22	−54
240	Bodö	67 17	14 24	20·5	1002·4	1005·0	−2·5	..	278·8	16th	271·0	264·2	31st	..	+1·8	*273·2*	17	−43
241	Haparanda	65 50	24 9	9·2	1009·1	1010·3	+0·6	270·3	276·0	26th, 27th	264·1	248·0	10th	267·2	+2·6	..	41	+15
242	Helsingfors	60 10	24 57	11·7	..	1010·0	−1·5	..	278	..	..	267	..	272·9	+3·9	*272·8*	50	+20
242a	Kuopio	62 54	27 40	99·7	..	1011·9	..	..	278	..	..	256	..	270·4	+3·2	*270·3*	43	..
243	Kola	68 53	33 1	6·7	1011·6	1012·5	+6·2	269·3	277·7	24th	259·8	238·6	6th	264·6	−0·9	..	18	+12
244	Petrozavodsk . . .	61 47	34 23	38·9	..	1013·9	+2·4	..	279	..	..	258	..	271·5	+4·2	*271·4*	..	..
245	Arkhangelsk . . .	64 33	40 32	6·7	..	1015·1	+6·0	..	276	..	..	243	..	265·2	−0·4	*265·0*	35	+14
246	Velsk	61 5	42 7	? 87	1006·3	1017·5	..	..	279·6	24th	266·7	248·8	3rd	270·5	..	*270·4*	24	..
247	Oust-Tsylma . . .	65 27	52 10	? 25	..	1017·9	+2·2	..	279	..	..	230	..	260·5	−2·5	*260·3*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	1003·8	1019·9	..	..	278·4	23rd	258·9	233·7	8th	264·3	..	*264·1*	31	..
249	Berezov	63 56	65 4	39·7	1015·5	1020·9	+7·5	..	275·6	26th	248·2	230·6	7th	254·6	−7·1	*254·4*	18	+7
250	Obdorsk	66 31	66 35	23·7	1017·0	1020·3	+10·0	..	273·5	31st	242·8	229·2	7th	248·4	−7·9	*248·2*	3	−2
251	Sourgout	61 15	73 24	? 40	1015·6	1021·0	+2·7	..	277·3	30th	247·1	230·0	1st	255·0	−5·8	*254·8*	31	+18
252																		
253	Touroukhansk . . .	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1012·8	1015·6	..	..	266·7	31st	235·3	224·1	14th	240·6	..	*240·4*	8	..
261	Olekminsk	60 22	120 26	? 202	1001·4	1029·0	−5·9	..	266·8	31st	243·5	228·5	9th	251·6	−2·2	*251·4*	5	..
262	Iakoutsk	62 1	129 43	? 108	1005·6	1020·7	−0·5	..	264·9	29th	239·8	229·0	4th, 8th	247·3	−2·6	*247·1*	2	−2
263	Verkhoïansk . . .	67 33	133 24	? 100	1001·2	1015·7	−1·5	..	264·0	22nd	228·2	212·7	2nd, 3rd	237·6	−3·3	*237·4*	2	+1
264	Oust-Maïskoe . . .	60 25	134 29	? 100	..	..	..	..	258·8	22nd, 30th	235·6	229·3	5th	240·2	..	*240·0*	1	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of ma x. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301		N.	W.															
302																		
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	277·3	291·9	..	272·3	267·4	..	274·8	..	..	209	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1014·3	1017·6	+ 9·8	281·7	286·9	..	272·7	266·9	..	277·2	+4·2	..	127	−43
310	Prince Rupert	54 18	130 18	52	..	1016·4	..	282·5	288·6	6th	273·1	269·1	20th	277·8	..	..	70	..
311	Barkerville	53 2	121 35	1274	..	1017·7	..	276·2	283·0	26th, 31st	262·3	250·2	2nd	269·2	−0·2	*269·3*	28	−25
312	Kamloops	50 41	120 29	379	..	1016·7	+ 2·2	281·0	291·9	25th	266·8	259·6	4th	273·9	−1·7	*273·8*	0	−11
313	Calgary	51 2	114 2	1033	..	1021·8	+ 4·2	274·4	288·6	27th, 28th	260·3	246·3	19th	267·4	−0·5	*267·5*	9	−10
314	Fort Chipewyan	58 42	111 10	218	993·4	1022·5	..	263·0	274·7	31st	250·4	238·6	19th	256·7	..	*257·5*	18	..
315	Prince Albert	53 10	106 0	436	..	1021·0	+ 4·8	267·8	284·7	31st	252·3	239·9	20th	260·1	−2·0	*260·7*	26	0
316	Qu'Appelle	50 30	103 47	645	..	1020·8	+ 3·5	267·1	278·6	27th	253·9	239·7	2nd	260·5	−2·7	*261·0*	10	−18
317	Minnedosa	50 15	99 50	518	..	1022·2	..	267·4	276·3	24th, 26th	254·0	241·0	20th	260·7	−2·8	*260·7*	18	+ 3
318	Berens River	52 18	97 23	216	..	..	..	262·7	269·7	27th	247·7	237·2	14th	255·2	..	*255·2*	41	..
318*a*	York Factory	57 0	92 28	11	1019·4	1020·9	+ 1·6	..	266·3	22nd	243·1	234·1	28th	250·4	−4·2	..	..	..
319	Fort Hope	51 32	87 48	..	987·4	..	..	265·6	273·0	10th	248·4	236·3	15th	257·0	..	..	15	..
320	Moose Factory	51 16	80 56	9	1020·2	1021·4	..	266·8	273·0	28th	247·3	236·9	3rd	257·1	..	..	42	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1009·8	1010·4	− 0·6	260·7	271·5	..	252·2	241·0	..	256·5	−2·8	..	..	..
325	Davis Inlet	55 50	60 50	..	998·9	..	..	267·5	274·7	4th	260·1	243·0	16th	263·8	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	274·7	19th	..	249·7	5th, 6th	265·4	−1·3	..	35	..
327	Belle Isle	51 55	55 20	133	991·1	1008·3	..	267·8	274·1	20th	260·1	253·6	16th	263·9	..	..	51	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1000·8	1002·2	−11·1	282·9	285·8	24th	278·4	274·7	6th, 20th	280·7	+0·3	280·8	184	+77
335	Aberdeen	57 10	2 6	27·4	996·0	999·4	−10·9	281·4	286·9	25th	276·6	273·0	16th	279·0	+1·5	279·1	60	+ 1
336	Greenwich	51 28	W o 0	48·5	1001·0	1006·7	− 7·6	284·8	289·7	25th	277·7	272·4	21st	281·3	+2·4	280·8	66	+27
337	Uccle	50 48	E 4 22	100	997·5	1009·7	− 4·9	284·2	290·8	26th	277·6	273·4	8th	280·9	+2·6	*280·7*	103	+45
338	De Bilt	52 6	5 11	3·0	1007·8	1008·2	− 5·2	283·7	288·9	27th	277·7	273·7	8th	280·7	+3	280·5	81	+33
338*a*	Hamburg	53 33	9 59	26·0	1005·9	1009·1	− 3·4	282·3	287·6	26th	276·8	271·5	13th	279·6	+2·9	279·4	63	+ 9
339	Copenhagen	55 41	12 36	5·0	1008·3	1008·9	− 3·9	279·0	284·1	27th	274·8	271·9	13th	276·9	+2·8	..	39	+ 4
340	Potsdam	52 23	13 4	84·9	1001·0	1011·5	− 2·3	284·0	292·5	27th	275·5	269·8	13th	279·8	+3·5	279·0	39	0
340*a*	Upsala	59 51	17 38	24·0	1005·1	1008·1	− 3·1	277·5	283·3	23rd	272·2	266·1	13th	274·9	+4·3	274·4	32	+ 1
341	Warsaw	52 15	21 1	120	999·0	1013·9	− 0·7	..	288·5	27th	274·8	270·9	16th	278·0	+4·3	*277·9*	20	−14
342	Jurjev	58 23	26 43	74·5	1002·7	1012·1	− 0·3	275·9	281·8	26th	271·6	267·5	17th	273·7	+5·9	*273·8*	41	..
343	Petrograd	59 56	30 16	4·8	..	1012·2	0·0	..	278	..	..	268	..	273·6	+5·3	*273·6*	43	+21
344	Kiev	50 27	30 30	182·9	..	1016·7	+ 1·1	..	282	..	..	271	..	275·3	+2·9	*275·2*	56	+17
344*a*	Moscow	55 45	37 34	156	..	1018·7	+ 3·3	..	279	..	..	263	..	273·4	+5·1	*273·4*	25	− 6
345	Saratov	51 32	46 3	59·9	..	1023·6	+ 6·6	..	277	..	..	258	..	270·9	+2·3	*270·8*	31	+14
346	Kazan	55 47	49 8	79·8	1013·1	1023·4	+ 5·4	..	276·7	31st	..	251·4	4th	269·1	+2·7	*269·0*	18	+ 3
347	Orenburg	51 45	55 6	114·1	..	1027·0	+ 5·5	..	275	..	..	252	..	267·0	+2·2	*266·9*	15	−11
348	Perm	58 1	56 15	163·0	..	1023·2	..	..	276	..	..	244	..	266·2	+0·2	*266·1*	28	..
349	Ekaterinburg	56 50	60 38	288·9	..	1025·4	+ 6·3	..	279	..	..	241	..	265·9	+0·3	*265·8*	7	− 2
350	Tobolsk	58 12	68 14	108·3	1009·8	1024·1	..	..	278·6	22nd	255·8	234·9	3rd	261·8	−2·6	*261·7*	22	+ 6
351	Akmolinsk	51 12	71 23	? 347	984·6	1030·3	+ 5·3	..	276·8	23rd	252·5	238·8	5th	259·3	−4·1	*259·2*	75	+68
352	Omsk	54 58	73 23	87·9	1014·8	1026·7	+ 2·7	..	273·5	27th	250·8	238·5	4th	257·3	−4·9	*257·2*	5	− 4
353	Barnaoul	53 20	83 47	162·2	1008·4	1030·3	+ 2·9	..	278·4	31st	248·8	232·0	10th	257·1	−6·0	*256·9*	51	+41
354	Tomsk	56 30	84 58	121·6	1009·4	1025·9	+ 1·5	..	277·2	31st	249·7	232·2	9th	256·4	−6·9	*256·2*	46	+25
355	Minousinsk	53 43	91 41	? 255	995·4	1028·8	..	..	280·8	30th	255·2	239·4	10th	262·1	..	*262·0*	2	− 1
356	Eniseisk	58 27	92 11	84·4	1011·5	1023·0	− 0·2	..	275·5	30th	246·6	233·4	10th	255·4	−8·3	*255·2*	21	+ 9
357	Irkutsk	52 16	104 19	467·0	966·2	1026·9	− 0·5	..	274·3	28th	252·3	240·1	11th	259·8	−4·2	*259·8*	1	− 6
358	Kirensk	57 47	108 7	? 263	988·2	1023·0	..	..	274·4	31st	249·2	232·1	10th	257·2	..	*257·1*	15	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	270·4	31st	244·9	233·3	21st	253·3	..	*253·2*	11	..
360*a*	Nertchinsk	51 59	116 35	484·3	958·8	1022·1	..	..	273·8	25th	249·0	236·8	3rd	256·4	−7·1	*256·4*	5	..
361	Tygan Ourkan	54 5	124 46	? 370	972·3	1021·6	..	..	271·1	31st	243·8	233·0	3rd	254·6	..	*254·6*	6	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	275·6	26th	248·7	236·7	3rd	259·1	..	*259·1*	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·6	1013·4	− 2·2	265·5	273·0	..	253·0	241·9	..	260·0	−0·6	*259·8*	13	− 7
366	Okhotsk	59 21	143 17	6·0	1013·9	1014·7	− 0·9	260·3	269·9	..	247·8	236·1	..	254·1	−5·6	*253·9*	9	..
367																		
368	Petropavlovsk	52 53 N.	158 47 E.	87·1	997·2	1008·5	+1·2	267·6	272·3	..	260·8	248·7	..	264·2	−3·7	..	190	..
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. MARCH—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: 24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1015·2	+1·7	283·4	288·6	31st	274·3	270·3	9th	278·8	−0·9	278·5	36	− 33
412	Portland, Oregon	45 32	122 41	46·6	1010·0	1015·2	−1·4	285·5	294·7	31st	276·4	271·9	3rd	281·0	+0·1	*280·6*	36	− 97
413	Macleod	49 44	113 24	954	..	..	..	274·1	289·7	28th	261·4	246·3	4th	267·7	−1·6	*267·7*	3	− 16
414	Helena	46 34	112 4	1253	873·4	1019·6	+3·4	272·9	288·0	28th	261·6	251·3	4th	267·3	−5·2	*267·2*	18	0
414*a*	Salt Lake City	40 46	111 54	1331	862·5	1011·2	+4·1	282·0	289·7	25th	272·9	264·7	3rd	277·5	−0·8	*277·4*	88	+ 38
415	Cheyenne	41 8	104 48	1856	808·9	1018·6	+4·1	273·5	284·1	19th	262·7	254·7	20th	268·1	−5·4	*267·9*	34	+ 10
416	North Platte	41 8	100 45	860	918·7	1022·3	+6·4	273·7	287·4	29th	262·5	250·8	15th	268·1	−6·7	*267·9*	78	+ 56
416*a*	Bismarck	46 47	100 38	510·2	959·8	1023·7	+5·8	270·5	287·4	29th	257·7	245·2	5th	264·1	−3·4	*263·9*	18	− 8
417	Winnipeg	49 53	97 7	231·6	..	1022·7	+3·8	270·7	278·3	24th	256·8	245·4	1st	263·7	−0·3	*263·4*	8	− 24
418	Duluth	46 47	92 6	345·3	978·5	1022·0	+4·1	270·2	284·7	28th	260·8	249·1	1st	265·5	−3·1	*265·6*	11	− 28
419	Port Arthur	48 27	89 12	196·3	..	1021·3	+3·4	270·7	280·2	27th, 28th	256·6	247·4	2nd	263·7	−2·2	*263·7*	9	− 15
420	Chicago	41 53	87 37	250·9	990·8	1022·0	+5·1	274·5	286·3	31st	267·9	258·6	1st	271·2	−3·1	*271·1*	56	− 10
421	Toronto	43 40	79 24	106·7	..	1022·0	+4·7	273·8	282·3	19th	265·3	257·4	3rd	269·5	−2·5	268·8	50	− 6
422	New York	40 43	74 0	111·3	1008·1	1020·0	+4·1	279·9	291·3	29th	271·4	262·4	3rd	275·7	−0·4	275·9	144	+ 41
423	St. John, N.B.	45 17	66 4	21·3	..	1016·9	+3·4	274·9	282·5	20th	267·4	257·1	5th	271·2	−1·0	*271·2*	92	− 11
424	S. W. Point, Anticosti	49 24	63 35	9	1012·3	1013·5	+2·7	270·3	275·2	30th	262·3	251·3	5th	266·3	..	..	8	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1009·8	−2·7	273·8	283·0	16th	266·7	251·3	6th	270·2	−0·8	..	59	− 60
435	Madrid	40 24	3 41	655·4	943·8	1020·8	+4·4	289·6	300·8	29th	277·6	272·3	8th	283·6	+1·4	283·0	24	− 20
436	Nantes	47 15	W 1 34	41·4	1008·4	1013·4	−2·6	286·1	293·9	26th	278·5	274·0	30th	282·3	+1·5	*282·0*	134	+ 76
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·2	1012·4	−2·6	286·6	293·2	26th	277·5	272·6	8th	282·1	+2·6	281·7	42	+ 3
438	Marseilles	43 18	5 23	75·0	1006·8	1015·9	+3·1	289·3	296·4	28th	279·8	273·3	17th	284·6	+1·9	*284·1*	44	− 5
438*a*	Zürich	47 23	8 33	493·2	957·0	1016·1	−0·1	..	294·6	27th	..	271·2	17th	280·3	+3·5	..	81	+ 7
439	Rome	41 54	12 29	63·4	..	1016·7	+3·5	289·6	294	25, 26, 27	281·2	277	16th	285·4	+1·9	..	43	− 26
440	Vienna	48 15	16 22	202·5	989·1	1013·5	−0·3	284·3	293·0	27th	276·8	273·2	14th, 17th	280·6	+3·5	*280·4*	51	+ 4
440*a*	Buda-Pesth	47 30	19 2	129·6	999·1	1015·0	+0·8	285·6	294·2	27th	276·5	271·1	14th, 16th	281·1	+3·3	..	86	+ 40
441	Bucharest	45 25	26 6	82	1005·8	1015·8	+1·0	..	292·7	20th	..	271·5	17th	281·6	+4·1	..	41	− 1
442																		
443	Odessa (University)	46 29	30 46	65·3	1009·9	1018·1	+1·9	280·1	288·7	29th	275·1	271·6	16th	277·6	+2·4	*277·5*	27	− 1
444	Kharkov (University)	50 0	36 14	140	..	1020·8	+4·4	..	283	..	..	268	..	274·2	+3·5	*274·1*	13	− 22
444*a*	Novorossiisk	44 40	37 49	37	..	1018·0	..	..	291	..	..	272	..	281·6	+2·8	*281·5*	56	− 14
445	Tiflis	41 43	44 48	409	..	1020·6	+2·8	..	291	..	..	273	..	281·3	+1·6	*281·3*	8	− 22
446	Astrakhan	46 21	48 2	−14	..	1022·4	+3·6	..	286	..	..	265	..	274·6	+1·5	*274·5*	6	− 4
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1020·4	..	..	295	..	..	274	..	282·2	+0·8	*282·2*	..	..
449	Tachkent	41 20	69 18	478·3	964·8	1022·2	+3·2	287·0	299·1	18th	275·7	265·4	3rd	281·4	−0·1	*281·4*	77	+ 11
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	283·3	24th	265·6	249·8	4th	273·5	+4·2	*273·5*	19	+ 2
452	Vernyi	43 16	76 53	? 835	925·2	1026·7	+4·9	278·2	290·5	30th	..	..	..	272·6	−1·5	*272·6*	73	+ 24
461	Mukden	41 48	123 23	43·8	1014·7	1020·3	−1·0	278·1	288·3	26th	266·4	261·4	12th	272·3	+0·9	272·1	3	− 12
462	Joshin	40 40	129 11	4·0	1017·2	1017·7	+0·1	278·8	288·3	10th	270·6	266·0	12th	274·7	+0·7	274·4	17	+ 2
463	Vladivostok	43 7	131 54	26·8	1014·3	1017·7	−1·1	276·3	282·8	..	267·3	259·0	..	271·8	+0·4	*271·3*	3	..
464																		
465	Ochiai	47 20	142 44	15·0	1010·2	1012·1	..	271·5	276·6	17th	257·6	243·3	15th	264·6	..	265·6	33	..
466	Nemuro	43 20 N.	145 35 E.	26·7	1007·9	1011·2	−2·4	274·5	277·7	28th	267·4	258·8	1st	271·0	+0·9	271·1	78	+ 28

Between Latitude 40° N. and 30° N. MARCH—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1009·2	1014·9	−3·0	287·0	292·4	18th	281·6	279·1	9th	284·3	−0·2	*283·8*	104	+ 25
512	San Luis Obispo	35 18	120 39	61·3	1008·7	1016·2	−1·7	287·6	292·4	18th	279·1	274·7	11th	283·3	−1·8	*283·0*	144	+ 43
513	Modena	37 48	113 54	1670	828·1	1010·5	−4·1	280·4	286·3	28th	269·4	262·4	11th	274·9	−2·1	*274·7*	69	+ 36
514	San Diego	32 43	117 10	26·5	1012·6	1015·9	−0·7	289·2	294·7	5th	282·5	280·2	22nd	285·9	−0·6	*285·9*	145	+102
515	Santa Fé	35 41	105 57	2138	783·0	1012·2	0·0	281·6	287·4	18th	270·7	266·3	22nd	276·2	−1·0	*276·0*	47	+ 28
516	Denver	39 45	105 0	1613	834·3	1018·3	+4·1	275·7	290·2	18th	264·1	254·7	1st	269·9	−6·8	*269·7*	22	− 3
517	Abilene	32 23	99 40	529·7	955·0	1017·3	+2·7	288·3	305·2	19th	276·6	268·6	9th	282·4	−3·3	*282·2*	36	0
518	Saint Louis	38 38	90 12	172·8	998·8	1020·0	+3·0	279·1	296·9	31st	270·9	263·6	6th	275·0	−4·4	*274·8*	149	+ 61
519	Mobile	30 41	88 2	17·4	1016·6	1018·6	+0·7	292·9	298·0	18th	283·6	275·2	10th	288·2	+0·2	*287·9*	168	− 15
520	Nashville	36 10	86 47	166·4	999·9	1020·0	+2·4	285·4	299·1	19th	275·1	268·0	2nd	280·3	−2·3	*280·0*	152	+ 15
521	Charleston	32 47	79 56	14·6	1018·0	1020·0	+2·0	290·3	300·2	21st	282·4	274·7	10th	286·4	−0·6	*286·1*	105	+ 10
522	Washington	38 54	77 3	34·1	1016·2	1020·6	+3·4	282·8	297·4	29th	273·1	265·2	2nd	277·9	−0·7	*277·7*	156	+ 58
523																		
524	Bermuda	32 17	64 46	46·0	..	1024·0	+5·3	293·8	296·1	22nd	287·8	283·6	4th	290·8	+0·5	..	122	− 6
531	Horta	38 32	28 38	30	..	1024·2	+2·4	289·1	291	sev. dates	285·2	282	sev. dates	287·2	−0·6	..	44	− 45
532	Ponta Delgada	37 44	25 40	17	..	1024·0	+5·3	288·6	293	29th	284·7	282	8, 9, 10	286·7	−0·3	..	60	..
533	Madeira (Funchal)	32 37	16 54	25	1019·6	1022·6	..	292·0	298·0	28th	282·9	280·3	23rd	287·5	..	..	9	− 63
534	Lisbon	38 43	9 9	95·4	1009·6	1021·1	+4·7	290·0	300·5	28th	284·1	281·1	25th	287·1	+1·3	*286·9*	45	− 43
535	Casablanca	33 37	7 35	17	1018·9	1020·9	..	..	..	..	..	281·6	..	289·1	+1·9	..	12	− 62
536	Gibraltar	36 6	5 21	16	1017·5	1019·3	+3·9	291·7	295·2	1st	284·0	280·8	9th	287·9	+0·5	..	32	− 72
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* Mean of max. and min. or of observations at fixed hours. † Computed mean for the 24 hours are in *italics*.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1020·6	+5·4	293·4	301·0	9th	285·8	282·4	8th	289·6	+1·0	..	19	— 69
538	Palma	39 33	2 42	..	..	1019·9	+5·3	291·7	296	27th, 28th	283·7	280	14th, 15th	287·7	..	..	28	..
538a	Tunis	36 48	10 10	43	..	1022·3	+7·0	294·6	299·2	2nd	282·5	278·0	22nd	288·6	+2·3	..	14	— 41
539	Malta	35 54	14 31	59	..	1020·6	+5·7	290·2	294	3rd, 29th	284·8	281	24th	287·0	+0·2	..	24	— 12
540	Catania	37 30	15 3	64·9	..	1018·2	+4·0	291·3	294·8	29th	282·9	279·4	24th	287·1	+1·8	..	14	— 39
541	Athens	37 58	23 43	107·1	..	1017·1	+2·8	289·8	295	29th	282·3	277	16th	286·0	—1·1	*285·9*	20	— 15
542	Alexandria	31 9	29 54	32·0	..	1018·7	+2·9	293·6	298	22nd	286·5	284	27th	290·0	+0·4	*289·4*	9	— 5
543	Cairo (Helwan)	29 52	31 20	115·6	..	1018·6	+2·4	295·8	302	14th	283·5	281	2nd	289·6	+0·1	289·6	0	— 5
544	Nicosia	35 12	33 24	22·1	..	1016·2	+1·4	292·4	297	13th, 14th	277·9	275	4th	285·2	0·0	..	34	— 6
544a	Beirut	33 54	35 28	52·4	..	1016·6	+2·4	292·0	301	14th	285·0	280	30th	288·5	+0·1	..	53	— 49
545	Baghdad	33 21	44 28	38·7	1012·6	1017·4	—0·1	297·4	304·7	28th	283·7	279·4	4th	290·6	+1·8	..	19	— 17
546	Lenkoran	38 46	48 52	—19	1022·8	1020·5	+2·7	..	286·3	18th	279·3	275·6	1st	281·4	+1·3	*281·4*	43	— 47
547	Busrah	30 31	47 53	7·6	1016·3	1017·5	..	296·1	301·1	28th	287·3	283·3	5th, 6th	291·7	+0·4	..	39	+ 11
548	Meshed	36 16	59 35	946	907·9	1017·9	..	287·8	299·6	29th	275·9	271·4	3rd, 12th	281·9	+1·0	..	32	— 27
549	Quetta	30 11	67 3	1677	834·4	..	+0·9	290·8	299·2	31st	275·6	269·8	7th	283·2	—1·1	*283·4*	10	— 39
550																		
551	Lahore	31 34	74 20	214	987·4	1012·5	—0·1	301·9	308·5	24th	285·0	280·3	5th	293·5	—0·4	*293·1*	9	— 10
551a	Simla	31 7	77 8	2204·3	780·6	..	—0·2	286·3	292·2	25th	278·8	273·6	3rd	282·5	—1·1	*282·7*	47	— 14
552	Leh	34 10	77 42	3506	664·6	..	—1·1	280·7	287·7	23rd	265·9	260·8	4th	273·3	+0·3	*272·6*	9	+ 2
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	..	..
559	Hang Kow	30 35	114 17	37·0	1017·5	1022·0	—0·2	285·4	296·5	20th	278·6	272·3	15th	282·0	—1·0	..	160	+ 69
560	Tiensin	39 10	117 10	5·0	1020·9	1021·5	—1·2	283·5	292·0	26th	272·5	267·1	12th	278·0	+0·4	..	0	— 7
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1020·9	—0·4	285·2	294·4	20th	277·8	270·9	13th	281·5	0·0	280·9	117	+ 28
562	Chemulpo	37 29	126 32	67·6	1011·7	1020·2	—0·3	281·6	290·0	28th	273·5	269·0	13th	277·6	—0·1	277·1	10	+ 1
562a	Nagasaki	32 44	129 52	133·0	1001·7	1017·9	—0·9	286·8	293·2	26th	279·1	275·5	19th, 20th	282·9	+0·4	282·7	172	+ 39
563	Kioto	35 1	135 46	49·4	1011·4	1017·5	—1·1	286·8	292·6	21st	273·7	268·9	10th	280·3	+0·9	280·0	125	+ 10
564	Tokio	35 41	138 45	21·3	1012·1	1014·7	—1·5	285·9	294·9	28th	276·7	272·9	20th	281·3	+1·3	281·1	116	+ 5
565	Miyako	39 38	141 59	30·4	1010·2	1013·9	—2·5	283·3	293·9	21st	271·8	264·5	14th	277·6	+1·4	276·7	162	+ 74
566		N.	E.															

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1017·8	1019·2	+3·3	296·5	299·7	..	291·3	289·1	..	293·9	—1·3	..	31	— 60
606																		
615	Zacatecas	22 47	102 35	2610	746·7	..	..	292·0	295·6	18th	281·2	277·0	15th, 28th	286·6	..	..	0	..
616	Leon	21 7	101 41	1798·6	823·8	..	—0·3	301·2	303·5	18th	283·8	280·5	6th	292·5	+2·0	..	0	..
617	Galveston	29 18	94 50	16·5	1016·2	1018·3	+2·0	290·1	295·8	28th	284·3	277·4	24th	287·2	—2·6	*287·1*	51	— 23
618	New Orleans	29 58	90 4	15·5	1016·5	1018·6	+1·4	293·8	302·4	21st	284·3	276·9	10th	289·1	—0·6	*288·8*	275	+140
619	Havana	23 8	82 22	24·3	..	1017·6	—0·2	300·5	304·0	29th	294·2	289·4	11th	297·4	+1·3	297·6	52	+ 12
620	Key West	24 33	81 48	6·7	1017·0	1017·6	0·0	298·8	301·9	30th	294·5	289·7	26th	296·7	+1·0	*296·5*	46	+ 8
621	Nassau, Bahamas	25 5	77 21	7·6	1018·1	1018·9	+0·5	300·1	303·0	30th	294·9	292·4	8th	297·5	+2·2	..	41	+ 4
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	292·4	298·2	..	285·7	284·0	..	289·1	—1·7	..	82	..
634	Las Palmas, Canary Islands	28 1	W 15 26	9	1021·5	1022·6	+3·2	295·4	299·0	1, 2, 30	288·3	285·6	14th	291·9	+1·2	..	12	— 6
637	Insalah	27 17	E 2 27	330	..	..	..	303·6	310·1	13th	286·2	281·9	9th	294·9	+2·1	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1021·2	+2·5	302·6	313	31st	282·6	278	3rd	292·6	+0·3	*293·7*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1013·9	—1·2	303·0	308	13, 18, 24	285·7	278	2nd	294·4	—0·6	*294·6*	..	..
643	Suez	29 57	32 32	3·4	..	1018·4	+3·2	298·9	303	13th	284·7	283	sev. dates	291·8	+1·0	..	0	— 3
644	Aswan	24 2	32 53	99·6	..	1016·3	+0·9	303·4	310	13th, 15th	286·7	283	3rd, 4th	295·0	+0·1	*295·0*	..	..
647	Bushire	28 59	50 53	4	1015·1	1015·8	+1·1	296·0	304·6	29th	288·3	284·9	4 dates	292·2	+0·5	..	6	— 17
648	Jask	25 44	57 47	4	1014·2	1014·6	+0·3	300·5	305·7	28th	292·0	289·6	10th	296·3	+0·8	..	0	— 20
649	Kurrachee	24 53	66 57	4	1013·6	1014·0	+1·4	301·9	306·6	28th	292·2	288·3	7, 10, 14	297·1	+0·2	*296·5*	0	— 6
650	Hyderabad, Sind	25 24	68 18	29	1009·7	1012·9	+0·5	306·6	312·2	22nd	289·5	282·4	13th	298·1	—0·9	..	0	— 5
651	Jaipur	26 56	75 52	436	963·6	1013·0	+0·1	304·6	310·9	24th	287·3	281·1	4th	295·9	—1·1	*295·7*	17	+ 9
652	Nagpur	21 8	79 5	310	977·1	1011·9	+0·2	309·8	314·4	26th	292·2	286·2	5th	301·0	—0·3	*300·6*	0	— 13
653	Allahabad	25 25	81 51	91	1001·2	1012·1	+0·3	305·9	313·1	25th	288·1	283·0	6th	297·0	—1·3	*296·6*	5	0
654	Calcutta	22 36	88 23	6	1010·8	1011·6	—0·1	306·4	310·3	14th	294·2	288·6	31st	300·3	+0·5	*299·8*	104	+ 72
655	Gauhati	26 8	91 41	59	1005·9	1012·9	..	301·9	305·1	5 dates	286·8	283·1	6th	294·4	..	..	68	+ 7
655a	Cherrapunji	25 15	91 42	1313	869·3	..	..	293·1	297·3	27th	284·6	273·6	27th	288·9	..	..	480	+262
656	Shillong	25 33	91 48	1500	849·7	..	..	294·6	298·5	14th	283·3	276·2	6th	288·9	..	..	107	+ 53
656a	Akyab	20 11	92 56	6	1012·1	1012·7	0·0	304·4	305·7	11, 12, 14	294·7	292·2	11, 12, 17	299·6	+0·5	*299·7*	3	— 12
657	Phu Lien	20 48	106 37	115·6	999·6	1013·3	+1·4	295·3	300·6	30th	291·4	284·4	15th	293·3	+0·5	292·9	64	+ 7
658	Moncay	21 31	107 51	10	1012·7	1013·9	—0·6	296·0	304·8	30th	290·1	282·8	15th	293·1	+1·1	..	105	+ 40
659																		
660	Hong Kong	22 18	114 10	33·2	..	1015·7	—0·4	292·9	299·8	29th	288·9	282·4	17th	290·9	+0·9	290·9	110	+ 38
661	Taihoku, Formosa	25 2	121 31	9·3	1016·4	1017·5	—0·1	294·1	302·8	26th	287·5	281·6	18th	290·8	+0·3	290·2	244	+ 68
662	Naha	26 13	127 41	10·5	1014·9	1016·1	—0·9	295·2	300·2	6th	289·7	284·4	14th	292·5	+1·4	292·3	207	+ 53
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	844·3	..	..	301·5	304·5	17th	285·5	282·0	27th, 28th	293·5	..	..	..	..
716	Morelia	19 14	100 7	1933	810·4	..	..	298·5	301·4	19th	282·3	280·2	29th	290·4	..	..	0	..
717	Saliña Cruz	16 12	95 16	56·3	1006·2	1012·7	..	..	307·0	17th	..	294·2	25th	299·9	..	..	0	..
718	Mexico	19 26	99 8	2280	780·1	..	+0·6	298·9	301·5	30th	282·3	280·2	15th	290·6	+1·4	290·5	0	— 12
718a	Oaxaca	17 4	96 44	1563	846·8	..	..	304·2	306·8	12th	285·0	281·8	15th	294·6	..	..	0	..
719	Belize	19 29	88 12	1·9	1015·0	1015·2	—0·3	302·4	304·7	8th	298·0	295·2	6th	300·2	..	..	82	+ 42
720	San Salvador	13 44	89 9	657	938·2	1011·6	+0·7	306·5	308·2	23rd	289·4	285·0	6th	298·0	+0·7	..	0	— 14
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·1	+0·8	302·0	304·4	2nd	293·1	291·6	6th	297·6	—0·1	*297·2*	168	+109
722	Port au Prince	18 34	72 22	37·4	1011·5	1015·8	+2·8	305·7	307·9	2nd	294·1	292·0	18th	299·9	..	299·2	136	+ 77
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·7	1015·5	..	301·3	302·7	..	296·1	295·0	..	298·7	..	..	27	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·9	1013·8	+0·6	301·2	303·6	31st	296·3	295·2	4th, 29th	298·8	+0·4	..	51	— 21
725	Barbados	13 8	59 36	55·2	..	1013·3	..	301·3	302·7	2nd	296·3	291·9	19th	298·8	—0·8	*298·5*	49	+ 7
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·6	1015·8	+1·5	297·4	298·5	6th	293·2	291·5	28th	295·3	+0·5	..	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·4	1016·3	..	299·3	303·0	1st	294·3	292·3	18th	296·8	..	..	0	..
733	Bathurst	13 24	16 36	5	1012·4	1013·0	+0·5	303·8	313·0	2nd	292·5	290·2	14th, 28th	298·2	+0·9	..	0	0
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	313·1	316·3	23rd, 31st	291·9	288·6	1st, 5th	302·5	..	..	0	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbouctoo	16 43	W 2 52	250	..	1009·8	0·0	311·7	319·0	..	292·3	286·0	..	302·0	+1·0	*301·8*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	308·2	311·9	19, 22, 25	294·4	290·2	1st	301·3	—1·4	..	0	— 6
738	Kontagora	10 24	5 24	400	..	..	..	311·7	314·1	24th	295·9	291·3	1st, 10th	303·8	+1·0	..	0	— 16
739	Maiduguri	11 48	13 12	370	..	..	..	311·1	316·9	24th	291·4	286·9	4th	301·2	..	..	0	0
740	Katagum	11 2	10 22	307·7	..	..	..	311·7	317·4	19th	290·7	286·9	1st	301·2	..	..	0	0
742	Kadugli	11 2	29 45	503	..	..	..	311·2	315·0	16th	292·2	288·5	sev. dates	301·7	..	..	0	..
743	El Obeid	13 11	30 14	585	..	1013·1	+0·5	307·7	312	19th	288·7	284	1st, 2nd	298·2	+0·5	*299·1*	0	— 4
744	Khartoum	15 37	32 33	390	..	1011·8	+1·3	307·5	314	27th	291·7	287	1st	299·6	+0·1	*300·1*	0	0
746	Aden	12 45	45 3	28·7	1011·3	1014·5	+1·2	301·7	306·7	10th	297·1	294·1	4th	299·4	—0·2	*298·7*	0	— 17
751	Bombay	18 54	72 49	11·3	1011·7	1013·0	+0·2	303·5	306·6	31st	295·9	293·8	8th	299·7	+0·3	*298·8*	0	— 1
752	Mysore	12 18	76 40	768	928·3	1012·4	+0·6	307·7	309·7	29th	293·1	290·2	2nd	300·4	+0·5	*299·8*	10	— 5
752a	Kodaikanal	12 18	76 40	772·6	..	..	+0·2	293·8	297·4	29th	284·2	280·5	11th	289·0	+0·6	288·0	29	— 26
753	Madras	13 4	80 14	6·7	1011·9	1012·6	—0·1	306·1	308·0	23rd	296·6	293·3	17th	301·3	+1·1	301·0	0	— 5
754	Waltair	17 45	83 16	68·9	1004·8	1012·5	+0·1	304·7	308·9	15th	297·4	294·1	31st	301·1	..	*300·2*	37	+ 28
755	Port Blair	11 40	92 40	17·7	1010·7	1012·7	?+1·2	304·4	305·9	22nd, 30th	296·9	295·2	27th	300·7	—1·2	*299·8*	0	— 20
756	Rangoon	16 46	95 48	5·5	1011·8	1012·5	0·0	307·8	310·3	10th, 12th	295·4	292·7	1st	301·6	—0·2	*300·1*	0	— 9
757	Saigon	10 46	106 42	11·2	..	1011·4	+1·0	309·0	311·1	9th	296·1	294·4	8th	302·6	+0·6	..	0	— 43
758	Nhatrang	12 16	109 12	6·8	..	1012·7	+0·7	305·0	307·0	28th	294·8	292·5	4th	299·9	+0·6	..	0	— 27
759	Bolinao	16 24	119 53	9·7	..	1012·1	..	306·8	308·9	25th	295·5	293·3	6th	301·2	..	300·3	0	— 13
760	Vigan	17 34	120 23	14·7	..	1012·4	..	305·2	308·5	23rd	295·7	293·8	2nd	300·5	..	298·2	0	— 6
761	Manila	14 35	120 59	14·2	..	1012·5	+0·8	307·4	309·1	30th	293·6	290·8	11th	300·5	+0·3	299·9	3	— 16
762	Ormoc	11 0	124 36	5·6	..	1011·9	..	304·8	306·8	30th	293·5	290·5	19th	299·2	..	299·0	8	— 70
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	..	..	302·4	303·8	17th	296·7	294·0	14th	299·6	..	..	16	..
		N.	E.															

Between Latitude 10° N. and 0°.

MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	1012·5	+1·4	303·4	306·1	19th	298·0	296·3	2nd, 19th,	300·7	+0·4	..	525	+212
819	Culebra	9 10	79 40	123·1	..	1010·9	—0·9	304·7	306·3	7th	295·2	293·0	12th	299·9	+0·5	..	1	— 17
822	Caracas	10 31	66 56	?	898·5	..	..	300·0	302·9	..	287·6	284·5	..	293·8	..	..	0	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1014·1	1014·3	..	303·1	303·8	10th, 27th	297·1	296·3	10th	300·1	..	..	33	..
826	Paramaribo	5 49	55 9	4	1013·8	1014·2	..	302·6	303·8	11th, 15th	295·3	292·2	8th	299·0	..	*298·3*	68	..
826a	Cayenne	4 56	52 21	6	..	..	..	303·1	304·2	11th	297·2	296·0	25th	300·2	+0·9	..	71	+ 46
833	Conakry	9 31	13 43	16	1009·1	1011·0	+1·1	307·5	309·6	..	296·8	295·4	..	302·2	+0·8	..	0	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	306·0	307·3	23rd	297·7	295·7	18th	301·9	+0·6	..	0	— 28
835	Cape Coast Castle	5 5	1 13	..	..	..	..	305·9	308·6	1st	294·9	290·2	6th	300·4	+0·1	..	8	— 50
836	Accra	5 35	W 0 6	18	..	..	..	304·8	308·0	14th, 24th	295·5	290·8	19th, 20th	300·2	—0·4	..	3	— 40
837	Lagos	6 22	E 3 28	7·6	1009·3	1010·2	+0·7	305·7	307·2	..	298·4	296·6	..	302·1	+0·8	..	5	— 87
838	Zungeru	9 48	6 10	130	..	1010·2	+0·3	311·4	313·6	22nd	297·2	292·4	10th	304·3	+0·9	..	0	— 12
838a	Libreville	0 23	9 26	35	..	..	..	305·4	306·8	4th	296·6	294·4	12th	301·0	+1·0	..	300	— 48
839	Yola	9 12	12 30	259	..	..	..	311·1	314·7	23rd, 24th	298·1	293·6	2nd, 4th	304·6	+0·3	..	0	— 8
841	Kafia Kingi	9 22	24 18	596	945·4	1011·9	..	..	..	..	..	..	..	299·6	..	..	0	..
842	Wau	7 42	28 3	1440	..	1010·0	+1·5	310·2	313	19th, 20th	293·8	287	1st	302·0	—0·1	..	8	— 10
843	Entebbe	0 5	32 29	1177	882·9	..	+1·0	299·1	302·4	12th	291·1	289·1	22nd	295·1	+0·2	..	219	+ 70
844	Nandi	0 2	35 5	2010	..	..	..	298·9	301·3	14th	284·2	283·0	18th	291·6	..	..	76	..
845	Harrar	9 42	42 30	1856	..	..	..	300·4	302·0	sev. dates	287·4	285·0	17th, 18th	293·9	..	..	36	..
851	Cothin	10 0	76 21	2·7	1012·1	1012·3	+0·2	306·1	307·3	26th, 31st	298·9	297·8	6 dates	302·5	+0·6	*301·6*	27	— 25
852	Colombo Observatory	6 54	79 53	7·3	1009·5	1010·3	+0·6	306·4	309·1	9th	296·2	293·9	9th	301·3	+0·6	*300·4*	37	— 56
853	Candy	7 18	80 40	504·5	..	..	..	305·3	306·9	18th	293·6	288·0	9th	299·5	+0·8	..	81	— 7
855	Medan	3 35	98 41	23·5	..	1009·9	—0·8	..	..	..	..	..	..	..	..	..	13	— 78
856	Kota Radja	5 32	95 20	7·1	..	1011·6	..	..	..	..	..	..	..	..	..	..	0	— 90
857	Penang	5 34	100 20	5·0	1007·8	1008·4	—0·8	306·6	308·0	31st	296·2	294·1	9th	301·4	+0·2	..	56	— 53
858	Singapore	1 17	103 51	2·2	1010·0	1010·3	+0·3	306·2	306·9	3rd	296·4	294·7	16th	301·3	+0·9	..	19	—173
860	Sandakan	5 49	118 12	..	..	..	..	303·7	304·7	20, 27, 30	296·7	296·3	sev. dates	300·2	+0·2	..	44	—185
861	Tagbilaran	9 38	123 51	26·2	..	1011·4	..	305·8	307·8	25th	..	..	..	..	..	299·1	5	— 67
862	Surigao	9 48	125 29	6	..	1011·2	..	302·9	304·1	13th	295·3	293·4	16th	299·1	..	..	133	—133
863	Yap	9 29	138 8	31·9	..	1009·8	..	303·1	303·9	22nd	295·4	293·1	16th	299·3	..	..	27	..
869	Uyeiang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	26	— 53
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	307·2	308·0	19, 25, 26	297·4	296·3	7th	302·3	+1·0	..	44	− 34
906																		
923	Manaos	3 8	59 59	32·4	1003·3	1006·9	−1·0	..	..	..	..	..	..	301·1	+0·4	..	96	−177
930	Fernando Noronha	3 51	W32 25	95	999·8	1010·7	..	..	301·9	..	..	294·8	..	..	..	299·2	319	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	307·5	309·8	23rd	293·1	291·0	19th	300·3	−0·3	..	249	..
940	Loango	4 38	11 50	? 50	..	..	..	303·4	305·5	23rd	296·9	295·0	10th	300·2	..	..	292	..
943	Daressalam	6 49	39 18	7·6	1010·5	1011·3	..	302·9	305·2	21st	296·9	295·6	12th, 20th	299·9	..	299·7	313	..
944	Nairobi	1 18	36 59	1660	..	..	..	297·2	299·6	8th	285·1	282·9	21st	291·1	..	..	89	− 12
944a	Zanzibar	6 10	39 11	21·9	1011·4	1013·8	+1·2	303·2	305·3	24th	298·9	296·1	2nd	301·1	−0·2	..	186	+ 34
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·7	303·6	4th	296·7	294·1	25th	299·2	..	..	5	..
947	Seychelles	4 37	55 27	4·6	1010·7	1011·1	+0·6	302·6	303·3	..	299·6	297·7	..	301·1	+1·4	..	81	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·6	−0·6	..	..	..	..	..	..	..	..	..	316	+ 27
957	Batavia	6 11	106 50	8	1009·3	1010·2	+0·3	302·9	305·0	13th	296·7	295·8	3rd	299·8	+0·4	299·2	279	+ 87
958	Pontianak	0 1	109 20	2·6	..	1011·0	+1·5	..	..	..	..	..	..	..	..	..	178	− 60
959	Passeroean	7 38	112 55	5·0	..	1009·5	+0·1	303·9	305·5	..	297·0	295·5	..	300·5	..	*299·7*	303	+101
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1009·4	..	..	..	..	..	..	..	..	..	..	296	+ 75
962	Ambon	3 42	128 10	4·2	..	1009·6	+1·1	..	..	..	..	..	..	..	..	..	40	−121
965	Daru	9 4	143 13	8	..	1009·5	−0·7	304·6	..	..	297·0	..	..	300·8	+0·6	..	218	−120
966	Port Moresby	9 29	147 9	39	..	1010·1	+1·0	303·9	..	..	297·4	..	..	300·7	−0·1	..	151	− 26
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	508	−111
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·0	1007·2	+0·1	304·9	308·6	2nd	295·8	294·7	15, 16, 29	300·4	+0·3	..	241	−177
970	Ocean Island	0 52	169 36	27·8	..	1007·5	−0·6	303·3	305·8	3rd	297·4	295·8	18th	300·3	−0·6	..	734	+525
		S.	E.															

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1008·7	−0·3	..	305·7	..	..	295·6	..	300·3	+1·3	..	247	−121
1003	Alofi, Niue Island	19 2	169 55	36·6	1008·3	1012·5	0·0	304·9	308·6	13th	296·1	294·7	5, 7, 10	300·5	+0·5	..	499	+177
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1009·9	..	304·9	306·2	..	296·5	293·3	..	300·7	..	..	245	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1009·6	1010·8	..	297·0	301·0	21st	290·1	288·2	6th	293·6	−0·1	..	0	..
1022	Arequipa	16 22	71 33	2451	761·7	..	+1·0	293·6	296·3	1, 21, 22	283·4	281·3	17th	288·5	+1·2	..	28	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	292	+2	..	67	− 32
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·4	+2·1	302·3	305·3	23rd	297·9	296·0	10th, 17th	300·1	+0·1	..	264	..
1035	St. Helena	15 57	W 5 40	632	944·9	1017·2	−0·3	295·8	298·6	7th, 19th	289·5	287·4	20th	292·7	+0·8	*292·4*	91	− 36
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	859·9	..	..	299·9	304·6	..	284·8	279·3	..	292·4	..	..	28	..
1043	Salisbury, Rhodesia	17 49	31 3	1487	858·0	..	..	299·4	302·8	..	285·0	280·8	..	292·2	..	..	44	− 78
1044	Zomba	15 23	35 18	899	907·0	1007·0	+3·0	300·4	302·2	4th	288·4	287·4	26th	294·4	0·0	..	58	−158
1045	Tamatave	18 9	49 26	4	1012·7	1013·1	+1·3	..	..	..	297·5	296·3	..	299·8	..	..	347	−107
1046	Tananarivo	18 55	47 32	1400	864·1	..	+1·0	300·0	302·1	7th	288·6	285·4	10th	294·3	+0·6	293·3	121	− 81
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1010·0	−0·8	303·3	305·2	22nd	298·6	297·2	3rd	301·0	+0·1	..	201	− 11
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·0	1007·6	0·0	303·3	305·7	..	297·6	296·5	..	300·5	−0·1	..	364	+111
1058																		
1061	Derby	17 18	123 40	16·2	..	1007·8	−0·4	306·2	310·1	16th	297·8	295·9	28th	302·0	−1·2	..	336	+237
1062	Hall's Creek	18 13	127 46	373·4	..	1008·3	−0·4	307·5	310·8	25, 26, 28	295·7	292·4	13th, 14th	301·6	+0·4	..	95	+ 22
1063	Port Darwin	12 28	130 51	29·6	..	1008·1	+0·7	304·8	307·0	30th	298·0	296·4	31st	301·4	−0·6	*300·3*	368	+124
1064	Daly Waters	16 16	133 23	213	..	1006·8	..	307·8	310·8	28th, 30th	295·9	291·9	31st	301·9	−0·1	..	138	+ 11
1065	Mein	13 13	142 57	121·9	..	1007·1	..	304·8	306·9	30th, 31st	295·7	291·6	28th	300·3	..	..	422	+198
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	305·7	309·1	30th, 31st	294·1	288·6	31st	299·9	..	..	163	+ 47
1067	Samarai	10 37	150 40	6·4	..	1008·2	+0·3	302·5	..	..	298·0	..	..	300·3	−0·1	..	238	+ 21
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1010·2	+0·5	303·2	306·3	18th	297·1	295·8	5, 23, 27	300·2	+0·5	..	312	− 62
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·2	304·1	22nd	295·4	291·9	26th	298·3	..	..	273	..
1106	/																	
1115	Mataveri, Easter Island	27 10	109 26	30	1011·2	1014·7	..	299·3	302·5	1st	292·9	290·5	17th	296·1	..	295·6	269	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1010·6	1013·6	..	292·9	295·5	11th	288·3	285·0	27th, 29th	290·6	..	..	2	..
1122	Puerto de Antofagasta	23 39	70 25	5	1011·6	1012·2	−1·3	300·6	301·5	3rd	289·7	289·2	25th, 26th	295·2	+0·9	..	0	0
1125	Goya	29 9	59 15	64	1007·2	1014·6	..	304·9	309·6	24th	292·8	284·5	13th	298·9	+1·6	*298·4*	150	+ 36
1126	Porto Alegre	30 2	51 13	26	1012·6	1015·6	..	303·8	309·2	26th	292·3	287·9	3rd	298·1	..	*298·5*	35	..
1127	Curityba	25 26	49 16	908	914·8	1016·7	+1·2	299·0	304·0	30th	287·4	283·9	19th	293·2	−0·1	..	30	− 87
1128	Rio de Janeiro	22 54	W43 10	64	..	1013·9	+0·7	300·4	306·6	1st	295·6	293·3	20th	298·0	−0·6	..	127	− 10
1139	Windhuk	22 34	E17 5	1665·3	835·2	..	..	299·4	302·2	21st	288·0	284·6	17th	293·7	..	293·4	58	..
1140																		
1141	Johannesburg	26 11	28 4	1874	825·1	..	+1·2	295·8	300·8	9th	285·1	277·8	11th	290·4	+0·5	*289·9*	66	− 37
1142	Kimberley	28 43	28 46	?1232	883·6	..	+1·5	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	871·1	..	+1·3	300·9	305·6	9th	285·5	280·2	13th, 14th	293·2	+0·3	..	74	− 32
1143	Durban	29 51	31 0	79·9	1008·0	1017·4	−0·5	300·2	303·1	3rd	291·4	287·0	10th	295·8	−1·5	..	138	+ 16
1144	Lorenzo Marques	25 58	32 36	59	..	1016·7	+1·9	302·6	308·0	3rd	292·4	288·8	11th	297·5	−0·6	296·9	14	− 49
1147	Mauritius	20 6	57 33	54·3	1004·5	1010·8	−1·1	301·8	303·4	29th	295·6	293·0	11th	298·7	+0·1	298·4	74	−162
1148																		
1159	Onslow	21 43	114 57	4·3	..	1006·3	−2·0	308·4	314·8	6th	295·8	289·7	3rd, 25th	302·1	−0·1	..	1	− 20
1160	Peak Hill	25 38	118 47	588·3	..	1006·5	−3·0	308·4	312·4	12th	295·0	290·2	8th, 9th	301·7	+0·9	..	17	− 16
1161	Nullagine	21 53	120 5	385·6	..	1006·9	−2·0	306·8	310·3	28th	294·9	289·9	15th	300·9	+1·2	..	255	+203
1162	Laverton	28 40	122 23	466·3	..	1011·1	−2·9	305·8	312·2	19th	293·1	285·8	8th	299·4	+2·3	..	72	+ 47
1163	Alice Springs	23 38	133 37	587·0	..	1008·1	−2·7	306·9	313·0	27th	291·3	286·2	13th	299·1	+1·2	*298·8*	1	− 31
1164	William Creek	28 55	136 21	76·2	..	1011·2	..	307·6	315·5	26th	292·1	287·2	30th	299·8	+2·4	..	8	− 12
1165	Boulia	22 55	139 38	145·7	..	1007·2	−1·0	309·3	314·7	27th	296·1	291·6	31st	302·7	+2·2	..	74	+ 33
1166	Mitchell	26 32	147 52	337·1	..	1009·9	..	304·1	310·5	28th	290·3	283·6	31st	297·2	..	..	125	+ 34
1167	Rockhampton	23 24	150 30	11·3	..	1010·5	−1·5	304·3	309·3	30th	293·8	290·9	25th	299·1	+0·3	..	86	− 54
1168	Brisbane	27 28	153 2	41·7	..	1012·8	−1·5	301·8	305·7	31st	292·1	289·9	31st	296·9	+0·4	..	269	+114
1169	Noumea	22 16	166 27	9	1007·4	1008·4	..	303·0	305·6	8th	295·6	292·8	21st	299·3	+0·8	..	192	+ 52
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	60	− 39
		S.	E.															

MARCH—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219	Juan Fernandez	33 37	78 50	10	1017·1	1018·3	−0·3	296·2	300·0	17th	..	..	..	292·9	+0·5	..	0	− 56
1220	Punta Angeles, Valparaiso	33 1	71 38	40	1008·8	1013·5	−0·5	293·6	297·2	26th	286·7	282·0	31st	290·2	−1·2	..	0	− 15
1221	Santiago	33 27	70 42	520	953·4	1013·6	−0·2	299·8	305·9	1st	283·1	278·2	26th	291·5	−0·4	289·7	0	− 5
1222	Cordoba	31 25	64 12	439	963·0	1013·3	−1·4	303·2	309·5	25th	287·8	279·0	27th	295·5	+2·1	294·9	53	− 37
1224	Buenos Ayres	34 16	64 11	25·2	1010·9	1013·9	0·0	299·1	307·6	7th	289·1	281·9	2nd	294·1	+0·1	294·1	232	+115
1225	Rio Grande	32 2	52 6	2·3	1015·0	1015·3	..	299·3	306·0	26th	293·8	288·2	17th	296·6	..	..	53	..
1226	Montevideo	34 52	W56 12	29·3	..	1013·7	−1·2	..	304·6	23rd	..	288·6	3rd	..	+0·1	294·1	222	+161
1239	Cape Town	33 56	E18 29	9	1014·2	1015·3	+0·8	299·6	310·2	18th	288·6	279·7	26th	294·1	+1·0	..	19	− 6
1240	Danger Point	34 37	19 18	20	..	..	..	..	293·3	2nd, 7th	287·8	284·7	27th, 28th	290·6	..	..	39	..
1241	Heidelberg	34 5	20 58	1541	852·8	..	+2·9	298·3	302·8	9th	283·8	279·0	11th	291·1	−0·3	..	54	+ 2
1242	East London	33 2	27 55	10·1	1015·3	1016·5	+1·7	296·8	301·9	2nd	289·7	283·0	27th	293·3	0·0	..	50	− 8
1259	Perth (Observatory)	31 57	115 51	60·0	..	1013·5	−2·2	300·7	312·0	11th	289·3	285·1	26th	295·0	+0·3	..	2	− 17
1260	Katanning	33 42	117 35	309·7	..	1013·1	−2·8	301·1	312·8	14th	286·2	277·6	21st	293·7	+1·7	..	9	− 15
1261	Coolgardie	30 57	121 10	423·3	..	1011·8	−3·2	304·4	313·7	18th	290·3	285·4	7th	297·4	+2·6	..	31	+ 15
1262	Eucla	31 45	128 58	4·6	..	1013·6	−2·9	299·3	315·2	20th	290·7	285·9	15th	295·0	+1·3	..	127	+105
1263	Streaky Bay	32 48	134 13	13·1	..	1014·1	−2·8	301·8	310·1	20th	289·5	283·6	15th	295·7	+2·7	..	26	+ 11
1264	Adelaide	34 56	138 35	42·7	..	1014·5	−2·7	301·3	311·3	3rd	288·7	282·6	14th	295·0	+0·9	..	17	− 12
1265	Melbourne	37 49	144 57	35·1	..	1014·9	−2·3	297·1	307·4	4th	286·6	280·2	7th	291·9	+0·7	..	19	− 37
1266	Bourke	30 13	145 58	110·1	..	1013·4	−1·0	306·2	312·2	8th	291·7	286·9	30th	299·0	+0·8	..	10	− 29
1267	Sydney	33 51	151 13	44·5	..	1014·6	−1·9	297·2	304·4	24th	290·4	286·6	22nd	293·8	+0·2	..	220	+ 91
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	73	− 85
1271	Auckland	36 50	174 50	38·1	..	..	..	292·9	298·6	3rd	286·3	282·4	11th	289·6	−1·7	..	155	+ 87
1272																		
		S.	E.															

MARCH—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	289·4	293·0	7th	282·7	276·3	24th	286·1	−0·3	..	85	+ 16
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	290·9	295·1	10th	282·3	279·0	27th	286·6	..	..	38	..
1322	Punta Galera	40 1	73 44	40	1010·7	1015·6	..	290·5	292·6	19th	282·4	280·7	30th	286·5	..	..	43	..
1323	Bahia Blanca	38 45	W62 12	20	1011·7	1014·1	+3·7	298·9	308·0	6th	287·2	280·4	15th	293·1	+0·4	*292·3*	37	− 32
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1015·0	+1·1	292·5	304·2	3rd	284·4	279·7	27th	288·4	+0·2	..	57	+ 15
1366	Launceston	41 27	147 10	9·4	..	1014·9	..	295·9	301·8	4th	283·9	278·0	15th	289·9	+1·0	..	61	+ 15
1369																		
1370	Dunedin	45 52	170 31	90	..	1014·8	+0·6	288·1	294·7	1st	279·3	274·1	7th	283·7	−2·2	..	130	+ 47
1371	Christchurch	43 32	172 38	7·6	..	1012·3	−3·8	290·3	296·8	15th	280·7	274·6	20th	285·5	−2·2	..	56	+ 1
1372	Wellington	41 16	174 46	2·4	..	1013·6	−3·2	290·6	297·0	7th	284·5	279·1	17th	287·6	−1·2	..	73	− 14
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·4	1005·1	..	..	..	..	..	..	..	280·9	..	..	295	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·6	1001·1	+5·3	286·3	290·8	5th	278·1	274·0	25th	282·2	+0·1	281·5	38	−4
1423	Punta Dungeness	52 24	68 25	5	999·8	1000·4	..	285·9	289·8	5th	279·1	274·0	28th	282·5	..	..	27	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	999·0	−2·8	284·5	290·2	21st	277·9	275·2	8, 16, 26	281·2	−0·5	281·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	987·9	988·4	−8·2	280·1	285·0	31st	274·7	268·8	18th	277·4	−0·9	*277·0*	147	+9
1430		S.	W.															

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	982·4	983·2	−7·6	273·3	276·8	5th	269·5	264·4	28th	271·4	−1·4	271·4	58	+3
1528																		

MARCH—ZONE 16. Between Latitude 70° S. and 80° S.

1669	Cape Evans(McMurdo Sound)	S. 77 38	E. 166 24	18	..	987·8	−4·9	..	266·7	..	..	247·1	..	..	−0·8	256·7	..	..
1670		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.	Sierra Leone. 834. Direction and Force.	Malden Island. 905. Direction and Force.	Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE by S	4·7	E 5	SW 2	E 1	Calm 0	NE 2	NE 3	SW	2·5
2	SE by S	6·7	NE 4	Calm 0	E 4	SE 2	NE 3	NE 4	S	0·9
3	SE by S	9·7	NE 4	W 2	E 1	SE 2	NE 3	NE 2	S	2·1
4	SE by S	7·1	NE 4	SW 2	E 2	SE 1	N 2	NE 3	E	0·5
5	SSE	5·9	NE 4	SW 4	SE 4	E 1	W 4	W 3	NE	0·3
6	SE by S	3·5	NE 4	Calm 0	E 4	Calm 0	SE 1	W 3	N	1·3
7	SE by S	3·4	NE 4	Calm 0	E 2	E 1	SE 2	NW 5	S	0·4
8	SE by S	8·2	E 4	Calm 0	SW 2	E 4	SE 2	NE 3	NE	1·4
9	SE by S	8·8	N 4	SW 2	W 2	NE 4	E 1	Calm 0	N	2·7
10	SSE	7·7	NE 4	SW 2	W 3	E 2	E 1	Calm 0	N	2·4
11	SSE	8·7	NE 4	Calm 0	Calm 0	E 2	E 2	Calm 0	S	1·4
12	SSE	8·3	NE 5	NW 3	SW 2	E 2	E 1	Calm 0	NE	0·6
13	SE by S	3·1	NE 6	SW 2	SW 2	E 2	Calm 0	NW 1	Calm	0·3
14	SSE	2·6	E 4	Calm 0	Calm 0	E 3	Calm 0	Calm 0	Calm	0·5
15	S by E	2·5	NE 4	W 2	SW 2	E 4	E 2	Calm 0	NE	0·8
16	SSE	3·4	E 4	SW 2	W 2	E 2	E 2	N 1	Calm	0·9
17	SSE	2·8	NE 5	Calm 0	Calm 0	E 2	E 1	Calm 0	N	1·0
18	SSE	3·7	NE 4	SW 2	W 2	NE 1	N 1	NW 3	N	1·4
19	S by E	3·7	NE 4	W 2	SW 4	N 1	N 1	NW 2	N	1·7
20	SSE	4·1	NE 4	Calm 0	SW 4	E 4	Calm 0	NW 1	Calm	0·7
21	SE by S	4·7	E 2	SW 2	Calm 0	SE 4	E 1	Calm 0	Calm	0·3
22	SSE	6·1	E 2	Calm 0	SW 4	E 3	E 1	SW 2	S	1·8
23	SSE	10·6	E 5	W 2	SW 4	E 2	E 1	NW 4	N	0·1
24	SSE	10·2	NE 5	Calm 0	Calm 0	E 2	E 1	NW 3	N	0·5
25	SSE	12·1	NE 4	W 2	Calm 0	E 4	Calm 0	NW 2	N	2·1
26	SSE	10·7	E 5	Calm 0	W 2	E 4	E 1	Calm 0	N	0·4
27	SSE	9·0	NE 4	NE 4	W 2	E 4	E 1	Calm 0	Calm	0·7
28	SE by S	9·5	NE 4	Calm 0	Calm 0	NE 4	NE 2	Calm 0	S	0·5
29	SSE	10·5	NE 4	W 2	Calm 0	NE 2	NE 1	NW 2	SW	0·6
30	SSE	8·4	NE 4	W 2	W 2	NE 2	Calm 0	NW 3	SE	0·9
31	SSE	7·1	NE 4							
Mean for Month	..	6·7	4·1	3·9	1·5	1·6	2·7	1·1	1·2	2·7	3·1	..	1·0
Deviation from Normal	..	+0·1	..	..	..	..	— 0·9		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1912.

**Barents Sea.*—" Ice-edge lay from Cape Sviatoy northwards on long. 40° E."

**Greenland Sea.*—" A bank of ice lay N.E. of Jan Mayen. At Angmagsalik the 'Storis' was closely packed; on 28th ice broke up in the fiord."

North Atlantic and Labrador.—" On the Newfoundland Banks were vast ice-fields, reaching 43½° N.; some icebergs to 45° N. and 46° E."

**Davis Strait.*—" 'Storis' was firm through the month at Fiskernaes; the sea was open off Arsuk. Thin ice on Disko Bay, but the Vaigat open."

**Smith Sound.*—" Firm ice lay round Cape Alexander, but was broken up by violent gales on 28th, and sea became open at Cape Parry, Northumberland I., and Cape Alexander."

**Behring Sea.*—" The sea was ice-free almost the whole time, except for a little young ice now and again."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. APRIL—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1009·4	1010·2	..	..	..	..	..	..	..	260·1	..	..	0	..
124																		
125	Upernivik	72 47	W56 7	18·9	1006·2	1008·6	−7·0	..	..	..	260·1	252·2	10th	263·7	+5·0	..	27	+ 13
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1006·4	1008·0	−3·9	..	274·4	21st	247·0	232·0	1st	..	..	253·4	21	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1007·8	1008·6	−2·2	..	283·4	22nd	268·3	260·5	7th	..	−0·8	*271·3*	165	+128
142	Mehavn	71 1	27 47	6·4	1007·6	1008·4	..	..	282·5	22nd	267·0	257·5	2nd	..	..	*270·4*	53	+ 11
143	Vardö	70 22	31 8	10·0	1007·8	1009·1	−2·4	..	279·2	22nd	266·6	258·4	1st	..	−1·3	*269·9*	30	− 12
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1006·6	1008·6	−5·3	..	272·1	23rd	254·1	242·5	1st	258·9	−4·9	*258·6*	7	0
148		N.	E.															

Between Latitude 70° N. and 60° N. APRIL—ZONE 2.

203	Nome	64 30	165 24	6·7	1004·7	1005·6	..	273·9	281·9	..	267·6	244·7	..	270·8	..	..	10	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	278·9	287·4	..	265·8	246·3	..	272·4	..	..	1	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	283·4	289·7	..	270·3	263·6	..	276·9	..	..	18	..
208	Eagle	64 46	141 12	248	976·9	1007·6	..	282·2	288·0	..	264·0	255·2	..	273·1	..	..	0	..
209	Dawson	64 4	139 20	321	973·2	1013·0	+0·7	280·1	285·8	19th, 27th	264·8	255·2	5th	272·4	+1·5	..	0	..
210	Carcross	60 11	134 34	662	..	..	..	279·4	286·9	23rd	268·3	260·8	5th	273·9	..	..	20	..
211																		
212	Fort Simpson	61 52	120 43	129	1001·4	1018·0	..	275·1	284·7	21st	264·5	254·7	5th	269·8	..	*270·7*	8	..
213	Hay River	60 51	115 20	161	996·3	1017·0	..	272·6	283·3	16th	260·4	246·3	6th	266·5	..	..	25	..
214	Fort Resolution	61 0	113 0	240	..	..	..	272·1	285·2	..	261·7	248·0	..	266·9	..	..	5	..
225	Jacobshavn	69 13	51 22	12·6	1006·0	1007·6	−5·8	272·1	281·5	27th	263·3	254·6	9th	267·7	+4·5	..	17	+ 8
226	Godthaab	64 11	51 44	9	1001·8	1003·0	−6·4	..	..	..	268·6	263·0	3rd	270·8	+1·5	..	16	− 17
229	Angmagsalik	65 37	37 34	31·7	1006·7	1010·7	..	275·8	282·2	28th	263·1	250·3	6th	269·5	..	..	49	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1009·6	1011·1	0·0	277·2	282·1	23rd	271·6	264·7	6th	274·4	+0·5	..	81	+ 50
232	Vestmanno	63 26	20 15	7·7	1011·0	1011·9	+1·3	280·4	284·9	30th	274·8	269·5	11th	277·6	+0·2	..	145	+ 56
233	Grimsey (Akureyri)	66 33	17 58	6·8	1011·9	1012·8	0·0	276·1	284·4	27th	269·9	260·7	15th	273·0	+1·3	..	1	− 16
234	Berufjord	64 40	14 19	18	1011·4	1013·6	+1·0	279·2	286·0	28th	271·2	261·0	1st	275·2	+0·8	..	17	− 62
235	Thorshavn	62 3	6 45	25·7	1013·8	1016·9	+4·5	280·4	283·8	22nd, 26th	275·2	268·1	9th	277·8	−0·5	..	70	− 18
236	Lerwick	60 9	W 1 8	18·0	1014·9	1017·2	+5·8	281·3	287·4	24th	275·7	269·1	11th	278·5	+0·3	..	103	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·1	1016·5	+3·8	..	291·3	20th	274·7	268·4	2nd	..	+0·1	*278·7*	100	+ 8
238	Christiansund	63 7	7 45	17·8	1014·2	1016·4	+3·9	..	290·8	20th	274·6	265·8	10th	..	+0·1	*277·5*	53	− 2
239	Trondhjem	63 26	10 25	39·5	1011·8	1016·7	+3·9	..	291·7	20th	271·8	258·3	11th	..	−0·6	*275·7*	46	− 11
240	Bodö	67 17	14 24	20·5	1011·0	1013·6	+1·7	..	286·0	21st	270·8	261·9	10th	..	−0·7	*274·0*	87	+ 40
241	Haparanda	65 50	24 9	9·2	1010·4	1011·6	−1·9	274·9	284·5	20th	265·0	249·5	2nd	270·0	−1·1	..	17	− 7
242	Helsingfors	60 10	24 57	11·7	..	1011·5	−3·2	..	287	..	..	262	..	274·8	+0·2	*274·6*	29	− 4
242a	Kuopio	62 54	27 40	99·7	..	1011·6	..	..	289	..	..	255	..	273·3	−0·7	*273·2*	14	..
243	Kola	68 53	33 1	6·7	1009·1	1010·0	−2·4	274·4	285·7	22nd	264·2	245·6	12th	269·3	−2·3	..	42	+ 35
244	Petrozavodsk	61 47	34 23	38·9	..	1010·0	−5·0	..	289	..	..	250	..	272·3	−1·6	*272·1*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1009·5	−4·5	..	280	..	..	251	..	269·9	−2·1	*269·6*	12	− 6
246	Velsk	61 5	42 7	? 87	998·8	1009·8	..	..	287·8	18th	268·4	252·0	4th	273·4	..	*273·1*	46	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1008·6	−7·7	..	282	..	..	247	..	269·0	−0·1	*268·7*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	993·5	1009·1	..	..	285·6	13th	266·4	249·2	2nd	271·2	..	*270·9*	46	..
249	Berezov	63 56	65 4	39·7	1003·1	1008·1	−8·3	..	281·7	13th	264·8	249·6	3rd	269·2	+2·2	*268·8*	42	+ 25
250	Obdorsk	66 31	66 35	23·7	1005·0	1008·1	−6·6	..	277·1	13th	260·7	250·5	23rd	265·2	−0·1	*264·8*	18	+ 12
251	Sourgout	61 15	73 24	? 40	1004·8	1009·8	−9·8	..	285·3	30th	265·8	253·5	3rd	271·4	+1·6	*271·0*	34	+ 25
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1007·0	1009·6	..	..	277·9	9th	258·7	237·0	4th	263·7	..	*263·4*	11	..
261	Olekminsk	60 22	120 26	? 202	995·0	1020·8	−4·9	..	279·9	28th	261·5	244·2	2nd	268·4	+1·2	*268·0*	14	..
262	Iakoutsk	62 1	129 43	? 108	998·8	1012·7	−1·9	..	277·9	28th	257·6	244·1	8th	265·4	+1·1	*265·0*	6	0
263	Verkhoïansk	67 33	133 24	? 100	996·0	1009·1	−5·3	..	278·7	28th	250·4	234·4	2nd	261·6	+2·4	*261·2*	17	+ 13
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	276·5	30th	250·1	241·6	3rd	256·2	..	*255·8*	5	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	279·1	283·0	..	273·3	266·3	..	276·2	..	..	146	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1007·1	1010·4	+ 0·8	283·6	289·7	..	273·3	268·6	..	278·5	−1·4	..	64	−78
310	Prince Rupert	54 18	130 18	52	..	1011·6	..	283·0	289·4	29th	275·3	271·9	4th, 5th	279·2	..	..	220	..
311	Barkerville	53 2	121 35	1274	..	1010·3	..	279·9	285·2	29th	271·1	263·0	4th	275·5	+0·6	*275·7*	57	+ 7
312	Kamloops	50 41	120 29	379	..	1010·3	− 4·9	288·4	293·0	2nd, 22nd	276·5	269·7	5th	282·4	−0·5	*282·4*	35	+25
313	Calgary	51 2	114 2	1033	..	1010·0	− 3·9	284·9	291·3	9th	271·3	263·0	6th	278·1	+0·8	*278·3*	52	+35
314	Fort Chipewyan	58 42	111 10	218	988·3	1015·7	..	277·3	281·9	30th	265·1	250·8	1st	271·2	..	*272·1*	27	..
315	Prince Albert	53 10	106 0	436	..	1013·5	− 1·7	283·8	291·1	..	269·8	264·1	..	276·8	+1·2	*277·3*	6	−15
316	Qu'Appelle	50 30	103 47	645	..	1013·0	− 2·6	284·2	293·3	3rd	271·2	264·7	6th	277·7	+2·5	*278·0*	33	+ 5
317	Minnedosa	50 15	99 50	518	..	1014·7	..	283·6	292·4	4th	270·4	263·3	27th	277·0	+0·9	*276·9*	32	+10
318	Berens River	52 18	97 23	216	..	..	..	284·9	295·8	4th	271·4	265·2	16th	278·2	..	*278·1*	46	..
318a	York Factory	57 0	92 28	11	1018·7	1020·1	+ 0·8	..	279·7	18th	254·9	244·7	1st	261·6	−5·3	..	..	..
319	Fort Hope	51 32	87 48	..	983·3	..	..	276·3	289·7	5th	261·4	242·4	2nd	268·9	..	..	1	..
320	Moose Factory	51 16	80 56	9	1014·4	1015·6	..	274·3	285·8	5th, 6th	258·6	245·8	2nd	266·4	..	..	53	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1005·6	1006·2	− 6·5	269·3	279·5	..	261·2	249·5	..	265·3	−1·7	..	..	..
325	Davis Inlet	55 50	60 50	..	1002·0	..	..	273·4	284·1	8th	261·5	246·9	5th	267·4	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	281·3	8th	..	258·6	2nd	269·4	−2·5	..	4	− 6
327	Belle Isle	51 55	55 20	133	994·5	1011·5	..	269·3	277·4	8th	265·1	259·7	2nd	267·2	..	..	26	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1021·3	1022·9	+10·5	285·9	290·8	23, 24, 25	279·5	275·2	12th	282·7	+0·6	282·9	32	−66
335	Aberdeen	57 10	2 6	27·4	1016·0	1019·3	+ 6·7	283·4	288·6	4th, 5th	276·9	271·9	12th	280·2	+0·7	280·3	10	−43
336	Greenwich	51 28	W 0 0	48·5	1015·9	1021·6	+ 7·9	288·4	294·7	21st	277·1	273·0	11th	282·8	+0·8	282·4	1	−39
337	Uccle	50 48	E 4 22	100	1007·5	1019·8	+ 5·7	287·4	294·1	26th	277·1	271·6	13th	282·3	+0·6	*282·1*	22	−31
338	De Bilt	52 6	5 11	3·0	1019·1	1019·5	+ 6·1	286·9	293·8	22nd, 23rd	276·4	270·7	13th	281·7	0	281·7	39	− 4
338a	Hamburg	53 33	9 59	26·0	1014·7	1017·8	+ 4·4	284·5	292·1	20th	276·7	270·4	11th	280·6	−1·0	280·8	49	+ 7
339	Copenhagen	55 41	12 36	5·0	1016·4	1017·0	+ 3·1	282·1	289·3	23rd	275·3	269·0	10th	278·7	0·0	..	34	0
340	Potsdam	52 23	13 4	84·9	1006·7	1017·2	+ 2·9	286·0	293·4	20th	275·3	268·6	13th	280·7	+0·5	280·4	31	− 4
340a	Upsala	59 51	17 38	24·0	1011·7	1014·0	0·0	281·9	292·5	22nd	269·5	259·4	12th	275·7	−0·1	276·1	10	−18
341	Warsaw	52 15	21 1	120	1000·4	1015·2	+ 1·6	..	289·9	21st	274·9	270·0	13th	279·2	−2·6	*279·0*	35	− 1
342	Jurjev	58 23	26 43	74·5	1002·4	1011·7	− 2·9	279·5	291·5	20th	270·4	260·8	14th	274·9	−2·0	*275·1*	27	..
343	Petrograd	59 56	30 16	4·8	..	1010·8	− 4·0	..	289	..	..	261	..	273·2	−2·0	*273·1*	27	+ 3
344	Kiev	50 27	30 30	182·9	..	1011·9	− 2·7	..	289	..	..	270	..	278·7	−1·4	*278·4*	70	+28
344a	Moscow	55 45	37 34	156	..	1010·3	− 5·9	..	288	..	..	265	..	275·9	−0·7	*275·8*	64	+30
345	Saratov	51 32	46 3	59·9	..	1015·1	− 0·6	..	293	..	..	268	..	278·8	+0·3	*278·5*	24	− 4
346	Kazan	55 47	49 8	79·8	1002·7	1012·7	− 5·1	..	290·1	19th	..	265·5	23rd	275·7	−0·6	*275·6*	52	+27
347	Orenburg	51 45	55 6	114·1	..	1018·7	− 0·9	..	292	..	..	267	..	277·6	+1·0	*277·3*	34	+11
348	Perm	58 1	56 15	163·0	..	1011·5	..	..	286	..	..	260	..	274·3	−0·5	*273·9*	38	..
349	Ekaterinburg	56 50	60 38	288·9	..	1014·4	− 3·6	..	291	..	..	259	..	274·6	+0·1	*274·3*	18	+ 5
350	Tobolsk	58 12	68 14	108·3	1000·0	1013·6	..	..	289·7	30th	269·7	258·7	24th	273·7	0·0	*273·3*	33	+15
351	Akmolinsk	51 12	71 23	? 347	978·4	1021·2	− 0·7	..	293·1	30th	271·7	265·9	11th	276·2	+1·3	*275·9*	9	− 4
352	Omsk	54 58	73 23	87·9	1006·8	1017·9	− 1·9	..	288·6	30th	270·6	261·6	4th	274·6	+1·9	*274·2*	22	+11
353	Barnaoul	53 20	83 47	162·2	1002·6	1022·9	+ 1·1	..	291·3	24th	270·3	262·2	5th	275·8	+1·6	*275·4*	25	+11
354	Tomsk	56 30	84 58	121·6	1004·4	1019·8	− 0·1	..	287·6	24th	270·0	257·0	4th	274·4	+2·1	*274·0*	33	+13
355	Minousinsk	53 43	91 41	? 255	991·6	1023·0	..	..	294·7	24th	271·4	264·5	7th	277·3	..	*276·9*	22	+12
356	Eniseisk	58 27	92 11	84·4	1007·9	1018·6	+ 0·2	..	285·7	14th	269·4	258·5	5th	274·5	+3·0	*274·1*	11	− 7
357	Irkutsk	52 16	104 19	467·0	963·2	1020·4	+ 0·9	..	292·2	11th	268·7	257·4	8th	274·8	0·0	*274·5*	21	+ 6
358	Kirensk	57 47	108 7	? 263	985·6	1018·5	..	..	287·5	11th	265·6	252·0	15th	272·4	..	*272·0*	9	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	*268·3*	19	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	285·6	11th	260·2	245·2	8th	268·7	..	*268·3*	19	..
360a	Nertchinsk	51 59	116 35	484·3	953·0	1011·9	..	..	291·1	12th	266·8	254·1	3rd	274·5	−2·0	*274·2*	7	..
361	Tygan Ourkan	54 5	124 46	? 370	965·8	1012·0	..	..	285·7	12th	261·6	244·0	1st	270·6	..	*270·3*	18	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	287·8	12th	267·6	256·3	1st	274·5	..	*274·2*	26	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·4	1009·1	− 3·1	273·2	280·6	..	263·9	247·1	..	268·5	−1·9	*268·2*	48	+15
366	Okhotsk	59 21	143 17	6·0	1009·4	1010·2	− 4·1	269·9	278·0	..	257·2	247·9	..	263·6	−4·2	*263·2*	0	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	989·4	1000·4	− 8·1	272·5	278·6	..	267·4	262·5	..	270·0	−2·5	..	60	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

APRIL—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1014·5	−2·1	286·2	289·6	24th	278·2	272·0	5th	282·2	−0·2	281·8	33	+ 13
412	Portland, Oregon	45 32	122 41	46·6	1010·3	1015·9	−2·0	287·4	295·2	1st	278·4	274·1	14th	282·9	−0·7	*282·5*	52	− 25
413	Macleod	49 44	113 24	954	..	..	..	286·6	293·6	10th	273·4	265·8	6th	280·0	+1·1	*280·2*	17	+ 4
414	Helena	46 34	112 4	1253	869·4	1011·5	−3·4	285·5	294·1	8th	274·3	269·7	6th	279·9	+1·3	*280·0*	31	+ 3
414a	Salt Lake City	40 46	111 54	1331	864·4	1012·5	−0·7	286·7	294·7	9th	275·8	270·2	20th	281·3	−1·8	*281·6*	59	+ 3
415	Cheyenne	41 8	104 48	1856	808·7	1012·2	−0·7	283·4	289·7	5th	271·7	264·7	22nd	277·6	−0·8	*277·6*	41	− 5
416	North Platte	41 8	100 45	860	913·6	1012·8	−0·3	289·7	299·7	5th	274·3	267·4	18th	282·0	−0·4	*286·9*	74	+ 20
416a	Bismarck	46 47	100 38	510·2	952·2	1012·8	−2·0	288·6	298·6	10th	273·6	268·0	21st	281·1	+2·2	*280·9*	58	+ 10
417	Winnipeg	49 53	97 7	231·6	..	1014·5	−2·8	284·3	296·9	4th	271·9	265·0	2nd	278·1	+1·4	*277·5*	57	+ 18
418	Duluth	46 47	92 6	345·3	972·1	1014·2	−2·0	281·6	296·3	5th	271·9	266·9	1st	276·7	+0·2	*276·6*	66	+ 10
419	Port Arthur	48 27	89 12	196·3	..	1014·9	−3·0	279·6	286·3	24th, 25th	269·1	260·8	8th	274·3	−0·4	*274·3*	64	+ 22
420	Chicago	41 53	87 37	250·9	984·7	1015·2	−0·7	286·8	296·9	14th	277·9	272·4	2nd	282·3	+1·6	*282·2*	65	− 8
421	Toronto	43 40	79 24	106·7	..	1015·6	−1·3	283·1	294·7	15th	273·9	265·9	3rd	278·4	−0·7	277·8	63	− 9
422	New York	40 43	74 0	111·3	1004·6	1016·2	+0·3	287·1	296·3	6th	277·7	270·2	4th	282·4	+0·5	283·0	92	+ 8
423	St. John, N.B.	45 17	66 4	21·3	..	1013·5	0·0	280·2	286·6	17th	272·3	264·5	9th	276·3	−0·9	*275·9*	85	+ 10
424	S. W. Point, Anticosti	49 24	63 35	9	1009·9	1011·1	−2·4	273·1	276·9	8th	266·7	260·8	1st	269·9	..	..	78	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1010·8	−2·4	276·8	282·4	25th	269·1	262·4	2nd	272·9	−1·9	..	80	− 30
435	Madrid	40 24	3 41	655·4	940·6	1017·4	+2·3	292·8	299·0	7th	277·5	272·6	3rd	285·2	−0·1	284·6	62	+ 15
436	Nantes	47 15	W 1 34	41·4	1016·3	1021·4	+6·2	288·9	294·7	26th	278·4	274·7	2nd	283·7	−0·5	*283·4*	7	− 40
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·9	1020·1	+5·5	289·3	295·3	26th	277·0	272·0	13th	283·2	+0·3	283·0	17	− 25
438	Marseilles	43 18	5 23	75·0	1005·0	1014·1	+1·4	290·3	294·0	25th	279·5	274·8	4th	284·9	−1·1	*284·5*	49	+ 6
438a	Zürich	47 23	8 33	493·2	959·7	1012·4	−1·5	289·8	293	8, 21, 27	281·4	275	11th	285·6	−1·1	..	43	− 53
439	Rome	41 54	12 29	63·4	..	1018·8	+3·7	..	292·6	8th	..	271·4	4th	280·8	−1·0	..	77	+ 9
440	Vienna	48 15	16 22	202·5	990·9	1015·5	+1·9	285·0	291·3	28th	277·0	270·7	14th	281·0	−1·3	*281·2*	51	+ 1
440a	Buda-Pesth	47 30	19 2	129·6	999·4	1015·3	+2·0	287·0	294·3	9th, 28th	276·9	268·4	14th	282·0	−1·6	..	80	+ 19
441	Bucharest	45 25	26 6	82	1004·6	1014·6	+1·7	..	297·1	9th	..	268·5	14th	282·2	−1·4	..	36	− 15
442																		
443	Odessa (University)	46 29	30 46	65·3	1006·6	1014·6	−0·1	284·3	288·4	3rd	277·0	272·2	14th	280·7	−1·5	*280·4*	23	− 4
444	Kharkov (University)	50 0	36 14	140	..	1014·0	−0·6	..	291	..	..	269	..	279·0	−1·1	*278·7*	43	+ 3
444a	Novorossiisk	44 40	37 49	37	..	1015·5	..	..	292	..	..	273	..	283·0	−0·7	*282·7*	67	+ 22
445	Tiflis	41 43	44 48	409	..	1017·5	+2·4	..	299	..	..	274	..	283·8	−1·2	*283·6*	72	+ 17
446	Astrakhan	46 21	48 2	−14	..	1017·9	+1·7	..	294	..	..	268	..	280·9	−1·6	*280·7*	23	+ 13
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1016·7	..	..	294	..	..	275	..	284·1	−2·8	*283·9*	..	..
449	Tachkent	41 20	69 18	478·3	959·4	1014·9	−1·0	296·3	308·4	29th	282·5	274·5	5th	289·4	+1·2	*289·0*	10	− 48
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	295·2	30th	280·1	270·9	20th, 24th	285·5	+7·1	*285·2*	13	− 16
452	Vernyi	43 16	76 53	? 835	920·7	1016·6	+1·0	294·2	304·6	30th	..	..	..	287·4	+3·7	*287·1*	23	− 74
461	Mukden	41 48	123 23	43·8	1007·2	1012·5	−2·4	287·8	298·1	27th	275·4	268·6	16th	281·6	0·0	281·3	29	+ 3
462	Joshin	40 40	129 11	4·0	1010·7	1011·2	−2·7	285·7	295·6	13th, 20th	274·9	267·2	1st	280·3	−0·4	279·8	40	+ 8
463	Vladivostok	43 7	131 54	26·8	1008·2	1011·5	−3·6	281·8	289·8	..	273·6	268·0	..	277·7	−0·3	*277·3*	75	..
464																		
465	Ochiai	47 20	142 44	15·0	1007·3	1009·2	..	277·3	286·8	13th	268·5	253·8	3rd	272·9	..	272·8	46	..
466	Nemuro	43 20 N.	145 35 E.	26·7	1006·6	1009·9	−4·1	279·2	288·6	15th	270·9	266·0	5th	275·0	−0·9	275·0	95	+ 24

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1012·1	1017·9	+0·3	287·5	291·9	14th	281·6	279·7	10th	284·6	−0·5	*284·0*	35	− 10
512	San Luis Obispo	35 18	120 39	61·3	1011·5	1018·9	+1·4	288·6	292·4	23rd	279·1	274·1	13th	283·8	−2·1	*283·4*	58	+ 20
513	Modena	37 48	113 54	1670	830·2	1012·2	+0·3	285·2	290·8	8th	270·9	263·0	13th	278·1	−3·3	*278·3*	51	+ 30
514	San Diego	32 43	117 10	26·5	1013·8	1016·9	−1·4	289·3	292·4	23rd	283·5	280·2	13th	286·4	−1·2	*286·3*	54	+ 36
515	Santa Fé	35 41	105 57	2138	784·4	1012·5	+2·0	285·0	295·2	30th	272·4	266·3	2nd	278·7	−2·9	*278·8*	11	− 10
516	Denver	39 45	105 0	1613	833·2	1011·5	−1·0	287·4	295·8	30th	274·6	268·0	22nd	281·0	−0·7	*281·0*	23	− 33
517	Abilene	32 23	99 40	529·7	952·9	1013·5	+1·0	297·4	305·2	30th	284·6	276·9	17th	291·0	0·0	*290·9*	58	0
518	Saint Louis	38 38	90 12	172·8	994·2	1014·9	−0·3	292·0	299·7	14th	282·0	274·1	2nd	287·0	+0·6	*286·8*	199	+109
519	Mobile	30 41	88 2	17·4	1015·3	1017·3	+0·7	296·9	303·6	22nd	288·9	282·4	3rd	292·9	+1·1	*292·6*	440	+330
520	Nashville	36 10	86 47	166·4	997·7	1017·6	+1·4	293·9	299·7	12th	283·3	274·7	19th	288·6	+0·6	*288·4*	298	+188
521	Charleston	32 47	79 56	14·6	1017·5	1019·3	+2·4	295·6	304·1	30th	289·2	283·0	9th	292·4	+1·8	*292·1*	125	+ 48
522	Washington	38 54	77 3	34·1	1012·6	1016·6	0·0	291·6	300·2	12th	280·7	272·4	4th	286·2	+1·4	*286·3*	59	− 23
523																		
524	Bermuda	32 17	64 46	46·0	..	1023·3	+4·9	294·1	297·7	22nd	288·2	282·7	6th	291·1	0·0	..	83	− 41
531	Horta	38 32	28 38	30	..	1024·7	+3·9	290·1	293	14th	286·4	282	17th	288·2	−1·0	..	45	− 16
532	Ponta Delgada	37 44	25 40	17	..	1024·4	+5·6	289·4	291	sev. dates	284·8	283	sev. dates	287·1	−1·2	..	51	..
533	Madeira (Funchal)	32 37	16 54	25	1017·2	1020·2	..	292·1	298·0	5th	282·8	280·8	20th	287·5	..	..	22	− 28
534	Lisbon	38 43	9 9	95·4	1005·7	1017·2	+1·3	292·3	296·9	23rd	284·5	282·2	3rd	288·4	+0·2	*287·5*	16	− 58
535	Casablanca	33 37	7 35	17	1014·0	1016·0	..	..	..	..	..	282·6	..	289·7	+0·3	..	28	− 4
536	Gibraltar	36 6	5 21	16	1012·6	1014·5	−0·8	292·0	295·8	22, 24, 30	284·7	282·4	18th	288·4	−1·2	..	33	− 25
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1015·4	+0·7	291·5	302·0	26th	285·3	281·9	5th	288·4	−1·5	..	89	+ 36
538	Palma	39 33	2 42	..	..	1016·0	+1·2	290·9	295	28th, 29th	283·1	278	4th	287·0	..	..	67	..
538a	Tunis	36 48	10 10	43	..	1017·0	+3·6	293·3	298·4	26th	284·1	276·8	6th	288·7	−0·2	..	27	− 14
539	Malta	35 54	14 31	59	..	1015·0	+1·6	290·6	295	18th	285·6	282	4th, 5th	288·1	−0·7	..	29	+ 6
540	Catania	37 30	15 3	64·9	..	1013·5	−0·3	287·8	294·6	28th	283·9	279·5	6th	285·9	−1·9	..	85	+ 47
541	Athens	37 58	23 43	107·1	..	1015·0	+1·3	291·5	298	8th	283·7	278	26th	287·6	−0·8	*287·4*	12	− 10
542	Alexandria	31 9	29 54	32·0	..	1015·8	+1·5	296·6	308	10th	288·1	286	13th	292·4	+0·4	*291·7*	0	− 4
543	Cairo (Helwan)	29 52	31 20	115·6	..	1015·2	+0·9	301·7	311	22nd	286·6	282	13th	294·2	+0·2	293·8	0	− 10
544	Nicosia	35 12	33 24	22·1	..	1012·4	−1·4	298·2	305	sev. dates	280·7	277	12th, 13th	289·4	+0·3	..	0	− 22
544a	Beirut	33 54	35 28	52·4	..	1013·5	+0·8	295·0	303	16th	288·3	285	8th, 29th	291·6	0·0	..	23	− 29
545	Baghdad	33 21	44 28	38·7	1008·3	1012·9	+1·4	303·3	309·5	21st	288·2	282·7	10th	295·8	+2·1	..	2	− 19
546	Lenkoran	38 46	48 52	−19	1019·9	1017·6	+2·5	..	291·0	20th	280·2	275·5	24th, 25th	283·9	−1·3	*283·7*	37	− 27
547	Busrah	30 31	47 53	7·6	1012·0	1013·1	..	300·7	305·4	24th	292·3	286·8	1st	296·5	−0·1	..	0	− 12
548	Meshed	36 16	59 35	946	905·6	1012·8	..	293·8	304·1	29th	279·6	272·5	5th	286·7	−0·5	..	63	+ 18
549	Quetta	30 11	67 3	1677	833·9	..	+1·2	295·6	301·1	29th, 30th	281·2	275·3	2nd	288·4	−0·3	*288·7*	56	+ 30
550																		
551	Lahore	31 34	74 20	214	985·1	1009·5	+2·0	306·7	313·2	15th	292·3	287·0	5th	299·5	−0·8	*299·3*	34	+ 21
551a	Simla	31 7	77 8	2204·3	782·2	..	+1·2	290·4	295·8	16th	283·6	277·8	3rd	287·0	−0·8	*287·3*	45	+ 1
552	Leh	34 10	77 42	3566	667·6	..	+0·6	288·0	292·4	14th	272·9	266·3	7th	280·4	+0·8	*279·8*	11	+ 6
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	..	..
559	Hang Kow	30 35	114 17	37·0	1011·9	1016·3	+0·3	295·8	305·2	21st	287·2	281·2	5th	291·5	+2·0	..	75	− 30
560	Tiensin	39 10	117 10	5·0	1014·2	1014·8	−1·0	294·2	302·2	20th	280·3	271·9	5th	287·3	+0·7	..	7	− 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·6	+0·9	294·1	306·0	21st	282·5	273·8	6th	288·3	+1·3	287·4	94	− 1
562	Chemulpo	37 29	126 32	67·6	1007·3	1015·6	+0·7	287·1	296·3	23rd	278·6	273·7	5th	282·9	−1·3	282·4	63	+ 7
562a	Nagasaki	32 44	129 52	133·0	1001·1	1017·1	+1·7	291·0	297·9	18th	282·9	278·3	1st	287·0	−0·6	287·0	181	− 44
563	Kioto	35 1	135 46	49·4	1010·8	1016·8	+0·8	292·9	299·0	18th	278·4	269·2	2nd	285·6	+0·3	285·4	163	− 6
564	Tokio	35 41	138 45	21·3	1012·1	1014·7	−0·9	291·0	298·0	21st	280·6	273·4	2nd	285·8	+0·4	286·0	142	+ 13
565	Miyako	39 38	141 59	30·4	1008·9	1012·5	−3·0	289·8	302·2	21st	276·2	269·6	6th	283·0	+1·4	282·3	60	+ 50
566																		
		N.	E.															

APRIL—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1018·9	1020·2	+3·7	298·2	299·7	..	292·9	290·8	..	295·6	−0·5	..	24	− 36
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	292·8	297·2	23rd, 24th	282·2	275·8	3rd	287·5	..	..	1	..
616	Leon	21 7	101 41	1798·6	823·9	..	+1·5	303·1	306·0	23rd	286·0	283·0	4th, 22nd	294·6	+0·5	..	1	− 6
617	Galveston	29 18	94 50	16·5	1013·7	1015·6	+0·7	295·2	301·3	29th	291·2	284·7	7th	293·2	−0·2	*293·0*	109	+ 30
618	New Orleans	29 58	90 4	15·5	1014·8	1016·6	+0·7	298·6	303·0	29th	290·1	283·6	3rd	294·4	+1·4	*294·1*	219	+ 94
619	Havana	23 8	82 22	24·3	..	1017·4	+0·8	302·8	305·6	21st	295·6	292·0	6th	299·2	+2·0	299·5	5	− 36
620	Key West	24 33	81 48	6·7	1016·6	1017·3	+0·7	301·4	303·6	22nd	296·9	293·0	5th	299·2	+2·1	*299·1*	6	− 25
621	Nassau, Bahamas	25 5	77 21	7·6	1018·6	1019·5	+2·6	301·1	303·8	19th	295·1	293·0	5, 6, 8	298·1	+1·6	..	39	− 37
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	292·0	294·5	..	286·2	284·3	..	289·1	−2·6	..	18	..
634	Las Palmas, Canary Islands	28 1	W 15 26	9	1019·0	1020·1	+0·2	294·8	298·6	26th	288·9	286·4	26th	291·9	+0·6	..	2	− 6
637	Insalah	27 17	E 2 27	330	..	..	..	305·2	312·4	11th	288·2	283·0	7th, 8th	296·7	−0·8	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1017·4	+1·7	308·8	317	22nd	285·2	282	1st	297·0	−0·4	*298·6*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1011·6	−0·8	308·3	314	22nd, 30th	289·1	282	1st	298·7	−0·7	*299·5*	..	..
643	Suez	29 57	32 32	3·4	..	1015·0	+1·6	302·7	310	16th	287·4	284	1st, 9th	295·0	+0·8	..	0	− 3
644	Aswan	24 2	32 53	99·6	..	1013·8	+0·8	308·7	313	30th	290·8	287	1, 2, 8	299·8	−0·2	*300·4*	..	..
647	Bushire	28 59	50 53	4	1011·7	1012·4	+1·0	299·4	309·3	28th	292·2	287·4	2nd	295·8	−0·6	..	6	− 6
648	Jask	25 44	57 47	4	1010·9	1011·4	+0·6	303·1	307·6	30th	295·7	293·2	5th, 10th	299·4	−0·4	..	13	+ 12
649	Kurrachee	24 53	66 57	4	1010·6	1011·0	+1·9	303·1	306·9	17th	297·2	293·8	5th	300·2	+0·6	*299·5*	0	− 4
650	Hyderabad, Sind	25 24	68 18	29	1006·2	1009·4	+1·4	311·5	315·8	20th, 30th	297·0	293·0	4th, 7th	304·3	+0·4	..	0	− 1
651	Jaipur	26 56	75 52	436	961·4	1009·4	+1·4	310·6	315·1	14th	295·8	291·4	4th	303·2	0·0	*303·1*	3	− 2
652	Nagpur	21 8	79 5	310	975·7	1009·8	+2·0	313·0	315·8	16th	296·9	289·8	1st	304·9	−0·7	*304·7*	31	+ 17
653	Allahabad	25 25	81 51	91	998·6	1009·1	+1·9	311·3	314·7	21st	295·6	289·7	1st	303·4	−0·7	*303·1*	0	− 4
654	Calcutta	22 36	88 23	6	1009·4	1010·1	+2·0	306·9	310·0	9th	297·0	290·2	1st	302·0	−0·8	*301·6*	62	+ 18
655	Gauhati	26 8	91 41	59	1005·8	1012·7	..	299·9	304·0	8th, 9th	292·0	290·3	2nd	296·0	..	..	285	+ 122
655a	Cherrapunji	25 15	91 42	1313	869·5	..	..	292·4	295·6	8th, 13th	285·9	279·7	20th	289·2	..	..	729	− 113
656	Shillong	25 33	91 48	1500	850·1	..	..	293·8	297·9	8th, 9th	285·3	278·4	1st	289·6	..	..	223	+ 116
656a	Akyab	20 11	92 56	6	1012·1	1012·7	+2·3	306·3	310·2	29th	296·4	291·6	2nd	301·4	−0·4	*301·1*	18	− 25
657	Phu Lien	20 48	106 37	115·6	999·7	1013·2	+2·2	299·4	305·2	30th	293·4	287·3	12th	296·4	0·0	295·7	74	− 5
658	Moncay	21 31	107 51	10	1012·5	1013·6	+2·6	299·2	303·8	23rd, 30th	292·4	285·7	12th	295·8	−0·1	..	123	+ 15
659																		
660	Hong Kong	22 18	114 10	33·2	..	1015·1	+2·5	296·8	302·7	24th	291·7	286·5	11th	294·3	−0·1	294·1	101	− 48
661	Taihoku, Formosa	25 2	121 31	9·3	1015·1	1016·2	+2·4	299·1	305·5	24th	290·7	286·4	6th	294·9	+0·7	294·3	29	− 109
662	Naha	26 13	127 41	10·5	1015·4	1016·5	+1·9	298·2	302·4	23, 24, 30	291·3	284·6	1st, 13th	294·7	+0·6	294·7	113	− 51
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

APRIL—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	844·6	..	..	303·4	306·6	23rd	287·1	284·0	1st, 2nd	295·3	..	..	..	..
716	Morelia	19 14	100 7	1933	810·4	..	..	299·7	302·2	22nd	284·1	281·2	3rd	291·9	..	..	10	..
717	Salina Cruz	16 12	95 16	56·3	1006·2	1012·7	..	..	309·0	25th	..	295·6	3rd	300·9	..	..	0	0
718	Mexico	19 26	99 8	2280	780·3	..	+0·8	300·6	303·4	22nd	284·6	281·0	2nd, 10th	292·6	+1·3	292·7	3	− 14
718a	Oaxaca	17 4	96 44	1563	846·8	..	..	305·5	309·0	22nd	287·2	283·9	3rd	296·4	..	..	6	..
719	Belize	19 29	88 12	1·9	1014·4	1014·6	+0·1	303·8	306·3	6th	299·4	298·0	3rd	301·6	..	..	3	− 35
720	San Salvador	13 44	89 9	657	938·9	1012·0	+1·5	306·8	308·8	9th	290·3	287·0	22nd	298·6	+0·5	..	1	− 39
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·2	+1·8	302·7	303·8	26th	294·2	292·7	2nd	298·5	+0·1	*298·1*	38	− 39
722	Port au Prince	18 34	72 22	37·4	1011·4	1015·7	+3·4	305·0	306·9	23rd	294·4	293·0	8th	299·7	..	299·0	268	+112
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·9	1014·7	..	301·4	303·2	..	296·3	295·1	..	298·9	..	..	47	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·4	1013·5	+0·7	302·6	304·1	2, 5, 11	296·9	295·8	1, 2, 27	299·7	+0·7	..	30	− 31
725	Barbadoes	13 8	59 36	55·2	..	1210·6	..	301·9	303·2	14, 24, 30	296·7	291·0	3rd	299·3	0·0	*299·2*	16	− 27
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·4	1015·6	+1·2	297·3	298·6	8, 9, 10	293·3	292·0	17th	295·3	+0·1	..	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·3	1016·3	..	298·7	302·5	30th	294·2	293·5	4, 18, 29	296·4	..	..	0	..
733	Bathurst	13 24	16 36	5	1013·2	1013·8	+1·2	299·5	309·7	29th	292·1	288·0	30th	295·8	−1·6	..	0	− 1
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	314·8	316·3	11, 20, 29	294·2	290·2	26th	304·5	..	..	0	..
735	Ségou	13 34	6 17	?272	..	..	..	..	..	..	298·5	292·4	11th	..	..	..	8	..
736	Timbouctoo	16 43	W 2 52	250	..	1008·0	−0·9	314·5	319·0	..	296·1	291·0	..	305·3	0·0	*305·2*	0	
737	Sokoto	13 2	E 5 14	354	..	..	..	312·3	314·1	12, 19, 29	301·3	294·1	1st	306·8	+1·1	..	0	− 7
738	Kontagora	10 24	5 24	400	..	..	..	314·7	319·1	6th	297·8	291·3	2nd	306·3	+3·0	..	20	− 33
739	Maiduguri	11 48	13 12	370	..	..	..	316·4	318·6	15th	297·8	291·3	1st	307·1	..	..	0	− 13
740	Katagum	12 17	10 22	30·7	..	..	..	316·4	318·0	7, 11, 13	296·9	290·2	1st, 4th	306·7	..	..	0	− 12
742	Kadugli	11 2	29 45	503	..	..	..	314·6	317·5	26th	292·7	288·0	12th, 21st	303·7	..	..	0	..
743	El Obeid	13 11	30 14	585	..	1010·4	0·0	311·7	315	26th	290·8	287	10th, 16th	301·2	−0·3	*301·9*	0	− 2
744	Khartoum	15 37	32 33	390	..	1009·2	+1·1	311·9	316	23rd	293·8	289	2nd	302·8	−0·4	*303·6*	0	0
746	Aden	12 45	45 3	28·7	1009·1	1012·3	+0·9	303·4	307·2	23rd	299·3	297·9	1st, 2nd	301·4	−0·1	*300·4*	32	+ 25
751	Bombay	18 54	72 49	11·3	1010·4	1011·7	+1·1	305·9	307·4	26th	298·9	296·6	1st	302·4	+1·0	*301·8*	0	− 2
752	Mysore	12 18	76 40	768	927·6	1011·0	+1·4	308·3	309·4	4 dates	294·8	293·3	1st, 4th	301·6	+0·7	*300·9*	62	− 5
752a	Kodaikanal	10 13	77 28	2343	772·6	..	+0·8	294·6	297·4	10th	284·9	283·3	2nd	289·8	+0·4	288·9	255	+147
753	Madras	13 4	80 14	6·7	1011·1	1011·8	+1·7	306·7	308·0	30th	298·3	295·5	3rd	302·5	0·0	302·3	0	− 15
754	Waltair	17 45	83 16	68·9	1004·3	1012·0	+2·4	304·5	306·1	15th, 23rd	299·1	297·4	22nd	301·8	..	*301·2*	3	− 19
755	Port Blair	11 40	92 40	17·7	1010·1	1012·1	+1·5	306·4	308·7	1st	299·8	297·7	6, 7, 8	303·1	+0·3	*302·5*	22	− 51
756	Rangoon	16 46	95 48	5·5	1011·7	1012·4	+1·7	310·3	311·9	4 dates	297·2	294·7	4th	303·8	−0·1	*302·5*	0	− 40
757	Saigon	10 46	106 42	11·2	..	1010·6	+1·8	310·5	313·0	29th	297·5	295·7	7th	304·0	+0·8	..	0	− 89
758	Nhattrang	12 16	109 12	6·8	..	1012·3	+2·3	305·8	308·3	30th	296·0	293·9	2nd	300·9	+0·1	..	19	− 17
759	Bolinao	16 24	119 53	9·7	..	1011·4	..	307·7	309·2	21st	297·7	295·4	4th	302·7	..	302·0	4	− 41
760	Vigan	17 34	120 23	14·7	..	1011·7	..	306·2	308·5	10th	297·5	295·7	2nd	301·9	..	301·3	0	− 33
761	Manila	14 35	120 59	14·2	..	1011·8	+1·6	308·5	310·5	29th	294·8	292·2	9th	301·7	−0·2	301·0	1	− 31
762	Ormoc	11 0	124 36	5·6	..	1011·4	..	305·1	307·5	21st	294·8	292·2	12th	300·0	..	299·8	34	− 32
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	..	..	303·1	305·4	27th	297·3	?294·4	14th	300·2	..	..	29	..
		N.	E.															

Between Latitude 10° N. and 0°.

APRIL—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	1012·8	+1·5	303·6	306·3	12th, 14th	298·0	296·6	12th	300·8	+0·5	*299·8*	666	+209
819	Culebra	9 10	79 40	123·1	..	1011·6	+0·6	305·8	308·6	17th	295·2	292·4	2nd	300·5	+0·2	..	80	− 17
822	Caracas	10 31	66 56	?	899·2	..	..	300·4	303·0	..	288·5	285·0	..	294·4	..	..	3	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·9	..	..	305·2	306·9	10th, 15th	294·5	293·6	1, 2, 3	299·8	..	..	40	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·7	1013·9	+1·3	302·9	304·6	9th	297·7	296·2	28th	300·3	+0·6	..	158	− 26
826	Paramaribo	5 49	55 9	4	1013·4	1013·8	..	302·9	304·8	9th	295·8	293·0	16th	299·4	..	*298·6*	126	..
826a	Cayenne	4 56	52 21	6	..	..	..	303·4	305·0	14th	297·4	295·8	4th	300·4	+1·1	..	190	−640
833	Conakry	9 31	13 43	16	1009·8	1011·7	+1·1	307·4	309·6	..	297·5	296·2	..	302·5	+1·1	..	0	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	305·9	310·3	13th	297·1	295·1	25th	301·5	+0·1	..	49	− 60
835	Cape Coast Castle	5 5	1 13	..	..	..	..	306·0	307·4	6, 9, 13	294·9	291·9	19th, 20th	300·5	0·0	..	48	− 37
836	Accra	5 35	W 0 6	18	..	..	..	305·6	310·2	12th	299·3	288·6	30th	302·5	+2·2	..	153	+ 53
837	Lagos	6 22	E 3 28	7·6	1010·11	1011·0	+1·2	305·1	306·9	..	298·6	294·4	..	301·9	+1·0	..	101	− 52
838	Zungeru	9 48	6 10	130	..	1009·9	+0·1	310·5	314·7	3rd	297·8	293·6	1st	304·2	+0·3	..	14	− 45
838a	Libreville	0 23	9 26	35	..	..	..	305·6	307·4	22nd	296·0	294·4	1st	300·8	+0·9	..	450	+121
839	Yola	9 12	12 30	259	..	..	..	312·5	314·7	3, 9, 15	299·8	296·9	20th, 28th	306·2	+1·6	..	10	− 43
841	Kafia Kingi	9 22	24 18	596	947·3	1013·5	..	..	..	..	..	..	..	302·0	..	..	0	..
842	Wau	7 42	28 3	440	..	1009·5	+0·8	311·1	313	16th	297·3	294	11th, 12th	304·2	+1·7	..	20	− 16
843	Entebbe	0 5	32 29	1177	883·3	..	+0·9	298·7	300·0	1st	291·0	289·1	15th	294·8	+0·5	..	192	− 65
844	Nandi	0 2	35 5	2010	..	..	..	298·8	299·7	11th	284·8	283·6	1st	291·8	..	..	193	..
845	Harrar	9 42	42 30	1856	..	..	..	299·1	302·0	1st, 2nd	288·6	287·0	19th, 20th	293·9	..	..	95	..
851	Cothin	10 0	76 21	2·7	1011·1	1011·4	+0·9	306·2	307·3	4 dates	299·1	295·6	6th	302·7	+0·2	*302·1*	109	− 24
852	Colombo Observatory	6 54	79 53	7·3	1008·8	1009·6	+1·3	305·5	306·6	1st	296·8	294·6	12th	301·2	+0·1	*300·6*	269	+ 13
853	Candy	7 18	80 40	504·5	..	..	..	304·7	306·9	19th	294·7	293·2	8th	299·7	+0·7	..	151	− 26
855	Medan	3 35	98 41	23·5	..	1009·4	−0·6	..	..	..	..	..	..	..	..	..	84	− 45
856	Kota Radja	5 32	95 20	7·1	..	1011·0	..	..	..	..	..	..	..	..	..	..	0	−100
857	Penang	5 34	100 20	5·0	1007·2	1007·8	−0·7	306·6	308·0	1st	297·7	295·2	3rd	302·2	+1·0	..	139	− 52
858	Singapore	1 17	103 51	2·2	1009·7	1010·0	+0·4	304·6	306·3	9th	297·2	295·4	1st	300·9	+0·2	..	179	− 41
860	Sandakan	5 49	118 12	..	..	..	..	304·4	305·8	21st	297·1	296·3	4, 12, 25	300·7	−0·1	..	136	+ 26
861	Tagbilaran	9 38	123 51	26·2	..	?1010·9	..	?306·2	?308·1	? 25th	..	..	..	..	..	?299·8	?58	?−137
862	Surigao	9 48	125 29	6	..	1010·6	..	303·2	304·6	30th	296·3	294·2	13th	299·8	..	..	121	−151
863	Yap	9 29	138 8	31·9	..	1009·4	..	303·6	305·2	12th	296·9	295·6	29th	300·3	..	..	79	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	15	−104
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	306·8	307·4	sev. dates	296·6	295·8	5, 27, 30	301·7	+0·2	..	163	+ 68
906																		
923	Manaos	3 8	59 59	32·4	1003·7	1007·3	−0·8	..	..	..	..	..	..	300·8	−0·1	..	228	+ 29
930	Fernando Noronha	3 51	W32 25	95	1000·1	1011·0	..	..	301·8	..	..	294·5	..	299·1	..	*299·1*	451	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	307·6	311·0	11th	293·5	292·3	19th	300·6	0·0	..	220	..
940	Loango	4 38	11 50	?50	..	..	..	..	..	..	297·1	295·0	9th	..	..	..	275	..
943	Daressalam	6 49	39 18	7·6	1011·0	1011·8	..	302·0	303·9	26th	296·2	295·0	23rd	299·1	..	298·8	567	..
944	Nairobi	1 18	36 59	1660	..	..	..	296·4	298·4	8th	285·5	283·1	25th	290·9	..	..	310	+ 95
944*a*	Zanzibar	6 10	39 11	21·9	1011·6	1014·0	+0·3	302·1	304·6	4th	298·3	296·1	30th	300·2	−0·1	..	328	−103
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·6	304·7	5th	296·1	294·1	29th	298·9	..	..	141	..
947	Seychelles	4 37	55 27	4·6	1010·2	1010·7	+0·1	303·1	304·3	..	299·4	297·9	..	301·3	+1·2	..	129	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·0	−1·0	..	..	..	..	..	..	..	..	..	275	− 81
957	Batavia	6 11	106 50	8	1009·6	1010·5	+1·2	304·3	306·2	27th	297·3	296·2	9th	300·8	+1·0	300·5	19	−104
958	Pontianak	0 1	109 20	2·6	..	1011·3	+2·2	..	..	..	..	..	..	..	..	..	350	+ 80
959	Passeroean	7 38	112 55	5·0	..	1010·7	+1·2	304·5	306·0	..	296·4	295·0	..	300·5	..	*300·6*	46	− 82
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1011·5	..	..	..	..	..	..	..	..	..	..	1	− 60
962	Ambon	3 42	128 10	4·2	..	1010·7	+2·2	..	..	..	..	..	..	..	..	..	197	− 14
965	Daru	9 4	143 13	8	..	1011·0	+0·9	305·4	..	..	297·7	..	..	301·6	+1·5	..	27	−286
966	Port Moresby	9 29	147 9	39	..	1012·3	+2·4	304·4	..	..	297·9	..	..	301·2	+0·5	..	1	− 70
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	585	+238
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·7	1008·0	−0·2	304·3	306·3	7th	297·0	294·7	13th	300·7	+0·4	..	208	+ 12
970	Ocean Island	0 52 S.	169 36 E.	27·8	..	1008·6	+0·3	303·9	304·8	20th	297·7	296·9	17th, 28th	300·8	−0·1	..	319	+114

APRIL—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1009·5	−0·2	..	304·3	..	..	295·1	..	299·7	+0·9	..	390	+103
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·2	1015·4	+0·9	303·3	306·3	3rd	294·3	290·8	19th	298·8	−0·3	..	101	−137
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1010·8	..	304·0	306·2	..	296·8	293·0	..	300·4	..	..	120	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1011·4	1012·6	..	296·8	300·4	11th	288·7	286·3	23rd	292·8	+0·7	..	0	..
1022	Arequipa	16 22	71 33	2451	762·6	..	+1·6	293·5	295·2	12, 15, 17	282·9	280·8	3rd	288·2	+1·2	..	6	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	292	+2	..	16	− 33
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·4	+1·1	303·0	305·1	30th	297·1	293·8	12th	300·1	+0·3	..	89	..
1035	St. Helena	15 57	W 5 40	632	945·8	1018·3	+0·1	294·8	297·5	4th	289·1	287·4	29th	291·9	+0·6	*291·7*	86	− 22
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	860·8	..	..	300·5	305·1	..	285·7	280·3	..	293·1	..	..	49	..
1043	Salisbury, Rhodesia	17 49	31 3	1487	858·6	..	..	299·9	303·3	..	285·3	281·3	..	292·6	..	..	40	+ 14
1044	Zomba	15 23	35 18	899	907·8	1007·5	+1·1	301·6	303·6	6th	289·1	287·3	24th	295·4	+1·8	..	0	− 97
1045	Tamatave	18 9	49 26	4	1015·0	1015·4	+1·2	..	..	..	297·4	295·5	..	299·9	..	..	221	− 87
1046	Tananarivo	18 55	47 32	1400	866·5	..	+1·6	298·1	300·7	11th	287·6	285·8	24th	292·9	+0·5	292·0	73	+ 15
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·5	+2·0	303·1	304·7	2nd	298·8	296·3	14th	301·0	+0·3	..	245	− 11
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·7	1009·3	+1·2	304·9	305·7	..	297·9	297·1	..	301·4	+0·7	..	69	−129
1058																		
1061	Derby	17 18	123 40	16·2	..	1013·8	+3·1	308·1	311·6	2nd	294·4	288·1	24th	301·3	−0·5	..	2	− 40
1062	Hall's Creek	18 13	127 46	373·4	..	1014·2	+2·0	307·2	312·4	6th	288·5	281·8	24th	297·9	−0·6	..	0	− 31
1063	Port Darwin	12 28	130 51	29·6	..	1011·6	+2·7	306·1	307·5	25th	297·2	294·1	13th	301·7	+0·3	*300·6*	106	− 9
1064	Daly Waters	16 16	133 23	213	..	1011·8	..	307·8	311·9	4th, 7th	291·5	284·7	12th	299·7	−0·1	..	0	− 27
1065	Mein	13 13	142 57	121·9	..	1010·4	..	304·7	306·9	19th	294·7	290·3	25th	299·7	..	..	13	− 75
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	305·7	309·1	1st, 5th	291·7	286·9	22nd	298·7	..	..	0	− 41
1067	Samarai	10 37	150 40	6·4	..	1010·4	+1·2	303·1	..	..	297·9	..	..	300·5	+0·8	..	296	+ 43
1068																		
1071																		
1072	Suva, Fiji	18 8 S.	178 26 E.	3·8	..	1013·5	+1·9	302·1	304·7	17th	296·5	294·1	24th	299·3	+0·3	..	120	−150
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. APRIL—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	300·1	302·4	2nd, 8th	294·2	290·8	19th, 20th	297·1	..	..	156	..
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1012·0	1015·5	..	297·3	299·6	4th	291·4	287·2	25th	294·4	..	294·1	186	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1012·7	1015·7	..	290·5	292·6	26th	285·1	282·8	24th	287·8	..	..	1	..
1122	Puerto de Antofagasta	23 39	70 25	5	1012·8	1013·4	−0·2	296·4	297·1	25th	284·4	283·6	4th	290·4	−2·2	..	0	0
1125	Goya	29 9	59 15	64	1011·0	1018·6	..	297·5	304·5	28th	289·5	282·0	9th	293·5	+0·2	*292·8*	212	+128
1126	Porto Alegre	30 2	51 13	26	1015·1	1018·1	..	298·4	304·6	7th	288·8	285·0	25th	293·6	..	*294·3*	144	..
1127	Curityba	25 26	49 16	908	916·4	1019·4	+1·4	296·2	302·1	4th	285·5	279·3	23rd	290·9	+0·5	..	91	+ 8
1128	Rio de Janeiro	22 54	W43 10	64	..	1016·3	+1·1	299·2	304·4	30th	294·3	292·4	17th	296·8	−0·5	..	56	− 60
1139	Windhuk	22 34	E17 5	1665·3	835·4	..	..	299·0	301·8	4th	284·8	276·2	26th	291·9	..	291·8	10	..
1140																		
1141	Johannesburg	26 11	28 4	1874	825·3	..	+0·4	293·1	296·6	4th	282·8	280·3	29th	288·0	+0·1	*287·7*	74	+ 37
1142	Kimberley	28 43	28 46	?1232	884·3	..	−0·1	..	..	..	..	..	..	..	..	..	..	..
1142*a*	Pretoria	25 45	28 11	1576	871·2	..	0·0	295·8	302·7	5th	283·9	279·2	30th	289·9	−0·3	..	38	− 4
1143	Durban	29 51	31 0	79·9	1007·6	1017·0	−2·5	300·1	303·1	6th	290·7	288·4	30th	295·4	−0·1	..	67	− 11
1144	Lorenzo Marques	25 58	32 36	59	..	1016·9	−0·2	301·2	306·7	2nd	292·4	289·6	23rd	296·8	+0·1	296·3	80	+ 41
1147	Mauritius	20 6	57 33	54·3	1008·4	1014·7	+1·0	300·8	302·3	1st	294·2	291·9	10th	297·5	+0·1	*297·1*	150	+ 34
1159	Onslow	21 43	114 57	4·3	..	1013·7	+2·0	307·7	313·7	2nd	292·6	288·0	25th	300·1	+0·4	..	0	− 26
1160	Peak Hill	25 38	118 47	588·3	..	1015·3	+2·0	303·6	308·2	1st	291·1	285·2	25th	297·3	+1·1	..	22	− 10
1161	Nullagine	21 53	120 5	385·6	..	1015·2	+2·7	305·6	311·4	4th	289·0	281·0	25th	297·3	−0·9	..	0	− 28
1162	Laverton	28 40	122 23	466·3	..	1020·7	+3·6	299·6	307·7	1st	287·8	280·8	26th	293·7	0·0	..	17	− 9
1163	Alice Springs	23 38	133 37	587·0	..	1018·0	+2·8	299·5	309·9	5th	283·6	277·8	27th	291·6	−1·5	*291·8*	14	− 9
1164	William Creek	28 55	136 21	76·2	..	1021·4	..	299·3	311·6	3rd	285·1	279·4	24th, 25th	292·2	−0·3	..	1	− 11
1165	Boulia	22 55	139 38	145·7	..	1015·1	+0·3	304·9	310·3	5th	288·8	283·0	23rd	296·9	+0·7	..	6	− 13
1166	Mitchell	26 32	147 52	337·1	..	1016·2	..	301·6	309·7	5th	282·2	275·8	24th	291·9	..	..	2	− 37
1167	Rockhampton	23 24	150 30	11·3	..	1015·6	+0·1	303·9	309·4	1st	291·7	285·9	23rd	297·8	−1·3	..	0	− 64
1168	Brisbane	27 28	153 2	41·7	..	1017·3	−0·1	300·6	305·1	2nd	289·6	285·4	24th	295·1	+0·9	..	18	− 76
1169	Noumea	22 16	166 27	9	1010·3	1011·3	..	303·4	308·8	2nd	295·4	289·8	30th	299·4	+2·1	..	154	+ 15
1170	Norfolk Island	29 4 S.	167 58 E.	..	..	..	..	..	..	..	..	..	..	..	..	..	122	+ 23

Between Latitude 30° S. and 40° S. APRIL—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1016·4	1017·6	−1·0	292·9	296·0	21st	288·1	285·8	30th	290·5	+0·2	..	128	+ 54
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·0	1015·7	+0·6	290·6	294·4	21st	284·7	281·7	8th	287·7	−2·3	..	17	+ 11
1222	Santiago	33 27	70 42	520	955·1	1016·1	+0·5	294·9	302·4	13th	281·3	276·0	30th	288·1	0·0	286·5	5	− 10
1223	Cordoba	31 25	64 12	439	966·3	1017·5	−0·3	296·2	303·0	1st	285·4	273·3	30th	290·8	+0·8	290·3	50	+ 14
1224	Buenos Ayres	34 16	64 11	25·2	1014·6	1017·6	+1·2	293·6	301·5	27th	284·2	277·0	30th	288·9	−0·8	289·1	159	+ 87
1225	Rio Grande	32 2	52 6	2·3	1017·2	1017·5	..	295·0	302·1	29th	289·0	284·3	24th	292·0	..	..	129	..
1226	Montevideo	34 52	W56 12	29·3	..	1016·9	+1·0	..	299·1	27th	..	284·7	10, 20, 24	..	−0·3	290·1	278	+ 211
1239	Cape Town	33 56	E18 29	9	1015·0	1016·1	−0·2	295·6	308·3	20th	286·9	281·8	6th	291·3	+1·0	..	84	+ 34
1240	Danger Point	34 37	19 18	20	..	..	..	291·1	294·1	21st	287·3	283·0	8th	289·2	..	..	36	..
1241	Heidelberg	34 5	20 58	1541	853·1	..	+1·8	296·1	300·0	5th	281·7	275·8	29th	288·9	+0·5	..	68	+ 27
1242	East London	33 2	27 55	10·1	1015·1	1016·3	−0·3	297·8	299·7	22nd	288·9	285·2	14th	293·4	+1·5	..	200	+141
1259	Perth (Observatory)	31 57	115 51	60·0	..	1020·1	+1·8	298·8	305·2	25th	287·5	285·0	14th	293·2	+1·1	..	4	− 39
1260	Katanning	33 42	117 35	309·7	..	1020·6	+2·3	297·3	303·2	9th	284·0	278·3	15th	290·7	+1·5	..	14	− 9
1261	Coolgardie	30 57	121 10	423·3	..	1021·7	+3·6	296·3	304·3	13th	285·6	281·3	8th	290·9	−0·6	..	29	+ 14
1262	Eucla	31 45	128 58	4·6	..	1023·0	+4·3	296·6	303·3	18th	285·8	280·2	28th	291·2	−0·7	..	47	+ 17
1263	Streaky Bay	32 48	134 13	13·1	..	1023·8	+4·2	296·0	304·1	2nd	284·2	279·1	24th	290·1	−0·5	..	4	− 25
1264	Adelaide	34 56	138 35	42·7	..	1023·7	+3·9	293·9	303·1	3rd	284·6	280·7	28th	289·3	−1·6	..	44	− 1
1265	Melbourne	37 49	144 57	35·1	..	1021·5	+2·2	291·6	299·9	16th	283·6	277·0	14th	287·6	−0·7	..	59	0
1266	Bourke	30 13	145 58	110·1	..	1020·1	+2·6	299·9	307·0	4th	284·7	280·2	9, 24, 25	292·3	−1·1	..	0	− 34
1267	Sydney	33 51	151 13	44·5	..	1018·9	+0·6	294·6	300·9	18th	286·8	283·4	25th	290·7	−0·4	..	149	− 16
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	102	− 53
1271	Auckland	36 50 S.	174 50 E.	38·1	..	..	..	291·7	294·9	9th	285·8	281·3	27th	288·8	−0·5	..	142	+ 65

Between Latitude 40° S. and 50° S. APRIL—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	288·1	291·3	5th	281·5	278·0	3 dates	284·8	0·0	..	79	+13
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	289·2	292·5	19th	279·8	278·0	7th, 30th	284·5	..	..	172	..
1322	Punta Galera	40 1	73 44	40	1010·7	1015·5	..	288·4	290·7	22nd, 23rd	280·9	279·0	28th, 29th	284·7	..	..	217	..
1323	Bahia Blanca	38 45	W62 12	20	1015·1	1017·5	+4·9	293·9	299·2	5th	282·6	274·0	9th	288·2	−0·5	*287·7*	53	+ 7
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1017·7	+3·6	288·9	294·1	17th	281·6	276·7	30th	285·3	−0·6	..	41	− 5
1366	Launceston	41 27	147 10	9·4	..	1018·3	..	290·7	297·1	17th	279·9	272·9	30th	285·3	−0·8	..	91	+ 40
1369																		
1370	Dunedin	45 52	170 31	90	..	1009·5	−6·4	287·0	292·4	8th	279·1	274·7	29th	283·1	−0·9	..	45	− 17
1371	Christchurch	43 32	172 38	7·6	..	1011·2	−6·4	289·2	297·8	9th	279·4	273·2	27th	284·3	−0·8	..	133	+ 84
1372	Wellington	41 16 S.	174 46 E.	2·4	..	1012·8	..	290·0	294·0	3rd	283·8	279·0	27th	286·9	..	..	106	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1000·0	1006·7	..	..	..	..	..	..	..	280·6	..	..	288	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1004·2	1004·7	+6·1	283·8	290·9	10th	276·9	272·0	18th, 19th	280·4	+0·4	280·3	75	+39
1423	Punta Dungeness	52 24	68 25	5	1003·2	1003·8	..	283·7	288·8	12th	278·1	274·0	7, 19, 29	280·9	..	..	12	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1001·7	−0·9	282·4	288·0	11th	276·1	270·8	30th	279·3	−0·1	279·8	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	989·7	990·2	−5·8	277·9	286·1	28th	270·9	267·0	16th	274·4	−1·5	*274·0*	112	−16
1430		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·9	984·8	985·6	−4·9	270·7	275·4	12th	264·6	250·7	22nd	267·7	−2·2	277·7	41	−17
1528																		

APRIL—ZONE 16. Between Latitude 70° S. and 80° S.

1669		S.	E.															
1670	Cape Evans (McMurdo Sound)	77 38	166 24	18	..	994·0	−0·8	..	265·1	..	..	240·2	..	..	+2·4	250·8	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SSE	7·1	NE 4	NE 5	SW 2	W 3	NE 1	NE 1	NW 3	NE 4	NE 3	SE	1·4
2	ESE	4·3	NE 5	NE 4	SW 2	SW 2	SE 3	SE 2	Calm 0	NE 2	NE 4	SE	1·7
3	SE by E	3·5	E 4	E 4	SW 2	W 2	SE 4	SE 3	E 2	NE 3	NE 2	E	2·1
4	ESE	2·8	E 4	NE 4	SW 4	W 2	E 1	E 2	E 2	NE 2	NE 3	N	0·9
5	SE	5·7	NE 5	NE 5	W 2	SW 4	Calm 0	SE 1	NE 2	NE 3	NE 2	S	1·0
6	SE	6·3	NE 6	NE 4	W 2	W 2	SE 2	SE 2	E 1	NE 2	NE 2	N	1·4
7	SE by S	7·0	NE 4	NE 4	Calm 0	SE 3	NE 2	N 2	Calm 0	NE 3	NE 4	N	1·6
8	SE	..	NE 4	NE 4	SW 3	W 2	NW 3	NE 2	Calm 0	NE 4	NE 3	N	0·7
9	..	6·3	E 4	NE 4	SW 2	Calm 0	W 2	W 3	Calm 0	NE 2	NE 2	N	2·5
10	SSE	3·9	E 4	NE 4	Calm 0	SW 4	E 1	E 2	Calm 0	N 1	N 3	NE	3·4
11	SSE	2·5	E 4	NE 4	Calm 0	SE 2	E 1	E 2	Calm 0	NE 3	NE 4	NE	2·1
12	SSE	4·0	SE 2	N 4	SW 2	W 2	Calm 0	E 3	NW 6	NE 4	NE 4	E	2·0
13	SE by S	7·8	W 2	W 3	NE 2	W 2	Calm 0	E 1	NW 6	NE 3	NE 3	NE	1·3
14	SE by S	6·7	SE 3	E 4	Calm 0	SW 2	E 1	E 2	NW 6	NE 3	NE 4	NE	1·8
15	SE	5·6	E 4	E 2	SW 2	SW 3	E 1	E 1	NW 6	NE 3	NW 5	N	1·7
16	SE by S	5·8	NE 4	Calm 0	SE 2	W 2	E 1	E 1	NW 5	NW 2	N 4	N	1·0
17	SE by S	5·7	NE 4	NE 4	SW 2	Calm 0	Calm 0	NE 2	W 4	N 3	N 4	N	1·1
18	SE by S	4·3	E 4	NE 4	Calm 0	SW 4	W 1	W 1	W 2	N 3	N 5	NE	3·9
19	SSE	4·9	NE 4	NE 4	W 2	SW 3	E 1	E 1	Calm 0	N 4	N 4	NE	2·9
20	SSE	4·1	NE 4	NE 4	SW 2	Calm 0	E 1	E 1	E 2	NE 4	NE 4	NE	1·7
21	SE by S	3·1	E 4	NE 4	W 2	SW 2	E 2	E 2	NW 2	NE 3	NE 3	NE	1·7
22	SE by S	3·4	NE 5	NE 5	W 2	SE 2	NE 1	E 2	NW 2	NE 3	NE 4	NE	2·4
23	SSE	4·8	E 5	NE 5	W 2	SW 2	Calm 0	NE 3	SE 4	E 3	E 4	NE	2·4
24	ESE	6·8	E 5	E 6	SE 2	W 2	E 3	NE 1	SE 4	NE 2	NE 3	NE	1·1
25	E by S	7·5	NE 4	NE 5	NE 4	SW 2	E 2	E 1	SE 4	NE 3	NE 4	NE	1·3
26	SSE	5·0	NE 5	NE 4	W 2	W 2	Calm 0	Calm 0	SE 2	NE 4	NE 3	NE	1·3
27	SE	3·6	NE 4	NE 5	W 2	SW 3	SE 1	SE 2	SE 4	NE 3	NE 3	SW	1·2
28	SSE	4·4	NE 4	NE 4	SW 2	W 2	SE 2	SE 2	SE 4	NE 2	NE 4	E	1·1
29	SE by S	7·6	NE 4	NE 4	Calm 0	W 2	SE 2	SE 3	SE 3	NE 3	NE 4	E	0·5
30	SSE	7·2	E 4	NE 4	Calm 0	W 4	SE 1	SE 2	SE 3	NE 3	NE 4	NE	1·6
Mean for Month	..	5·2	4·1	4·0	1·7	2·2	1·3	1·8	2·6	2·9	3·5	..	1·7
Deviation from Normal	..	−1·5	..	..	..	..	−1·1		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1912.

**Seas round Novaja Zemlja and Spitzbergen—Barents Sea.*—" Along Murman Coast the ice-edge was more west than usual, in long. 37° E., and more N. in the Barents Sea. The prevailing W. winds kept the ice almost stationary through the month. South of Bear I. the ice-edge reached 73½° N."

**Greenland Sea.*—" At Angmagsalik the ' Storis ' was closely packed, but commenced to drift on 21st. The fiord was open."

**Iceland.*—" On 30th scattered ice was seen 28 miles N.E. of Cape North."

North Atlantic and Labrador.—" Icebergs on Newfoundland Banks spread south to 38° 45′ N., 41° 15′ W. On 14th SS. *Titanic* collided with an iceberg and foundered."

" There was thick pack in Cabot Strait and at Magdalene I.; Northumberland Strait was ice-free. Belle-Isle Strait was completely covered with pack containing icebergs."

**Davis Strait.*—" Early in the month the winter ice broke up at S. Greenland; by the middle there was no ice at Cape Farewell, but 20 miles off shore were masses of ' Storis,' often closely packed. In Julianehaab Bay and towards Nunarsuit the ice was closely packed; less closely to Fiskernaes; from here to Holstensborg the sea was ice-free. At Ivigtut the winter ice was very thick."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. MAY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1011·0	1011·9	..	..	..	..	..	..	..	268·1	..	..	14	..
124																		
125	Upernivik	72 47	W56 7	18·9	1008·4	1010·8	−5·6	..	..	..	266·1	258·7	7th	269·9	+1·3	..	9	− 5
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1017·3	1018·8	+1·5	..	279·5	19th	262·6	248·7	12th	267·0	..	..	9	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1013·6	1014·5	+0·6	..	283·2	24th	273·3	267·6	1st	..	−0·5	*275·2*	92	+56
142	Mehavn	71 1	27 47	6·4	1013·9	1014·8	..	..	282·0	24th	273·8	265·5	6th	..	..	*274·9*	25	−13
143	Vardö	70 22	31 8	10·0	1013·8	1015·1	+0·3	..	280·2	25th	271·7	265·8	4th	..	−0·6	*273·8*	26	− 8
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1016·2	1018·1	+5·8	..	274·7	25th	262·8	253·3	5th	267·2	−1·9	*266·8*	9	− 4
148		N.	E.															

Between Latitude 70° N. and 60° N. MAY—ZONE 2.

203	Nome	64 30	165 24	6·7	1004·7	1005·5	..	282·3	289·7	..	273·8	267·4	..	278·1	..	..	17	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	288·2	296·9	..	275·3	267·4	..	281·7	..	..	30	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	287·0	296·3	..	275·0	270·8	..	281·0	..	..	138	..
208	Eagle	64 46	141 12	248	974·2	1003·6	..	291·1	298·6	..	?275·8	264·1	..	?283·4	..	..	11	..
209	Dawson	64 4	139 20	321	971·9	1010·3	+0·1	289·9	297·4	22nd	274·8	268·6	4th	282·3	+0·7	..	10	−16
210	Carcross	60 11	134 34	662	..	..	..	285·8	295·2	22nd	274·3	269·7	5th, 12th	280·0	..	..	1	..
211																		
212	Fort Simpson	61 52	120 43	129	998·7	1014·5	..	289·2	301·9	13th	274·6	265·8	18th	281·9	..	*282·8*	8	..
213																		
214	Hay River	60 51	115 20	161	993·5	1013·3	..	284·3	302·6	13th	272·8	261·6	1st	278·6	..	..	13	..
	Fort Resolution	61 0	113 0	240	..	..	..	285·1	298·0	..	271·9	261·9	..	278·5	..	..	4	..
225																		
226	Jacobshavn	69 13	51 22	12·6	1007·9	1009·5	−5·3	276·7	286·0	25th	270·0	261·4	7th	273·4	+1·2	..	34	+20
229	Godthaab	64 11	51 44	9	1004·4	1005·6	−6·7	..	..	..	271·6	266·5	6th, 15th	273·6	−0·3	..	22	−27
230	Angmagsalik	65 37	37 34	31·7	1006·6	1010·5	..	280·5	285·6	24th	271·5	266·6	19th	276·0	..	..	159	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1008·7	1010·1	−4·1	282·2	286·0	22nd	276·4	271·5	12th	279·3	+2·0	..	50	+15
233	Vestmanno	63 26	20 15	7·7	1009·1	1010·0	−3·8	283·9	289·4	24th	278·0	272·2	4th	281·0	+0·9	..	80	+18
234	Grimsey (Akureyri)	66 33	17 58	6·8	1011·0	1011·8	−3·4	279·8	284·4	22nd	274·0	269·1	12th	276·9	+2·1	..	3	−18
235	Berufjord	64 40	14 19	18	1010·0	1012·2	−2·5	282·2	288·2	26th	275·4	270·0	3rd, 12th	278·8	+1·5	..	47	−20
236	Thorshavn	62 3	6 45	25·7	1010·4	1013·6	−0·7	282·5	286·0	8th, 9th	277·1	272·6	12th	279·8	−0·2	..	69	−22
	Lerwick	60 9	W 1 8	18·0	1010·7	1012·9	−0·8	282·6	285·8	8th	278·4	274·1	5th	280·5	+0·2	..	122	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·5	1010·9	−2·8	..	291·8	16th	278·4	274·1	6th	..	−1·1	*281·3*	110	− 6
239	Christiansund	63 7	7 45	17·8	1009·0	1011·2	−2·5	..	290·0	16th	278·4	273·0	5th	..	−0·2	*280·6*	101	+39
240	Trondhjem	63 26	10 25	39·5	1006·4	1011·2	−2·3	..	292·4	17th	277·9	270·4	6th	..	+0·4	*281·1*	40	−11
241	Bodö	67 17	14 24	20·5	1009·9	1012·3	−1·0	..	287·8	16th	276·6	270·0	5th	..	+0·9	*279·7*	21	−36
242	Haparanda	65 50	24 9	9·2	1010·9	1012·0	−1·9	282·6	290·5	16th, 25th	274·0	267·0	2nd, 3rd	278·3	+1·2	..	37	+ 8
242a	Helsingfors	60 10	24 57	11·7	..	1008·6	−5·3	..	294	..	..	271	..	280·6	−0·4	*280·2*	68	+24
	Kuopio	62 54	27 40	99·7	..	1010·8	..	..	296	..	..	269	..	279·6	−1·2	*279·1*	22	..
243																		
244	Kola	68 53	33 1	6·7	1014·3	1015·2	+1·0	277·6	284·8	24th	270·8	258·9	8th	274·2	−3·1	..	34	+19
245	Petrozavodsk	61 47	34 23	38·9	..	1010·6	−4·0	..	288	..	..	265	..	277·6	−2·8	*277·1*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1012·8	−1·1	..	295	..	..	263	..	278·2	−0·3	*277·7*	50	+25
247	Velsk	61 5	42 7	? 87	1001·5	1012·2	..	..	298·4	29th	275·5	267·2	3rd	281·0	..	*280·5*	58	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1015·4	+2·7	..	292	..	..	259	..	276·1	−0·5	*275·6*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	999·1	1014·3	..	..	295·7	31st	274·0	267·0	3rd	280·2	..	*279·7*	49	..
249																		
250	Berezov	63 56	65 4	39·7	1011·5	1016·5	+1·5	..	289·2	12th	272·3	261·2	6th	276·0	+0·7	*275·5*	34	+ 8
251	Obdorsk	66 31	66 35	23·7	1014·7	1017·7	+4·6	..	279·4	13th	266·3	256·7	6th	270·7	−1·0	*270·2*	14	..
252	Sourgout	61 15	73 24	? 40	1011·0	1015·9	+4·0	..	292·5	14th	272·8	264·2	7th	279·1	+1·4	*278·5*	25	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1011·5	1014·0	..	..	277·7	29th	265·0	256·7	20th	268·4	−2·1	*268·0*	10	..
261																		
262	Olekminsk	60 22	120 26	? 202	992·2	1026·9	+7·8	..	294·4	31st	272·7	264·6	4th	279·3	+1·0	*278·8*	36	..
263	Iakoutsk	62 1	129 43	? 108	998·2	1011·5	+0·9	..	291·6	19th	271·8	263·6	17th	278·5	+0·1	*278·1*	29	+18
264	Verkhoïansk	67 33	133 24	? 100	995·6	1008·0	−0·4	..	289·0	21st	268·8	254·7	2nd	276·3	+1·0	*275·9*	14	+10
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	292·0	20th	274·9	267·9	18th	279·9	..	*279·4*	7	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	280·1	285·2	..	274·7	270·8	..	277·4	..	..	171	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1009·8	1013·1	−0·5	288·3	299·7	..	279·1	274·1	..	283·7	+1·5	..	93	−11
310	Prince Rupert	54 18	130 18	52	..	1015·3	..	288·4	302·4	14th	280·2	274·1	9th	284·3	..	..	75	..
311	Barkerville	53 2	121 35	1274	..	1014·9	..	287·3	296·3	14th	274·1	269·7	4th, 10th	280·7	+1·0	*280·8*	46	−18
312	Kamloops	50 41	120 29	379	..	1013·3	−0·2	295·7	304·1	14th	281·1	276·9	29th	288·4	+0·8	*288·4*	8	−18
313	Calgary	51 2	114 2	1033	..	1012·7	+0·9	289·9	300·8	15th	276·3	270·8	4th	283·1	+0·8	*283·4*	36	−27
314	Fort Chipewyan	58 42	111 10	218	987·0	1013·5	..	286·7	294·1	12th	274·3	269·7	11th	280·5	..	*281·4*	19	..
315	Prince Albert	53 10	106 0	436	..	1012·5	+0·3	290·1	302·8	26th	276·5	270·8	1st	283·3	−0·8	*283·8*	45	+6
316	Qu'Appelle	50 30	103 47	645	..	1011·0	−1·8	288·3	299·4	16th	276·8	270·8	16th	282·5	−0·8	*282·7*	101	+43
317	Minnedosa	50 15	99 50	518	..	1011·7	..	289·6	300·8	26th	277·0	267·2	13th	283·3	+0·4	*283·2*	79	+32
318	Berens River	52 18	97 23	216	..	..	..	286·6	300·2	..	275·0	269·7	..	280·8	..	*280·5*	29	..
318a	York Factory	57 0	92 28	11	1015·3	1016·7	−0·9	..	289·1	30th	268·3	258·6	21st	273·6	−0·3	..	..	..
319	Fort Hope	51 32	87 48	..	983·0	..	..	285·2	298·6	25th	271·5	265·8	19th	278·3	..	..	5	..
320	Moose Factory	51 16	80 56	9	1014·4	1015·5	..	284·6	299·7	25th, 26th	271·1	265·2	19th	277·9	..	..	12	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1011·6	1012·1	−1·0	278·2	287·6	..	271·0	265·7	..	274·6	+0·3	..	..	..
325	Davis Inlet	55 50	60 50	..	1004·3	..	..	281·2	288·6	11th	271·6	266·3	20th	276·4	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	290·2	28th	..	270·8	20th	276·9	+0·2	..	68	+3
327	Belle Isle	51 55	55 20	133	995·5	1012·2	..	275·1	285·8	27th	271·3	268·0	20th	273·2	..	..	101	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1013·5	1015·1	−0·9	288·4	292·4	10th	281·9	277·4	25th	285·2	+1·0	285·2	42	−34
335	Aberdeen	57 10	2 6	27·4	1010·8	1014·1	−1·2	285·7	290·8	9th	278·7	274·1	4th	282·2	+0·2	282·2	51	−4
336	Greenwich	51 28	W 0 0	48·5	1009·8	1015·3	+0·1	292·7	301·3	11th	281·1	275·2	26th	286·9	+1·8	286·3	33	−16
337	Uccle	50 48	E 4 22	100	1003·9	1014·2	−1·1	292·2	303·5	12th	280·5	275·0	1st	286·4	+0·6	*286·1*	36	−26
338	De Bilt	52 6	5 11	3·0	1015·3	1015·7	−1·7	290·2	299·0	12th	279·9	271·7	2nd	285·1	−1	284·7	62	+12
338a	Hamburg	53 33	9 59	26·0	1011·2	1014·4	−0·4	288·1	294·0	12th	280·9	275·1	1st	284·5	−2·1	284·6	74	+23
339	Copenhagen	55 41	12 36	5·0	1011·6	1012·2	−2·6	286·0	289·3	26th	279·7	274·7	1st	282·9	−0·4	..	29	−10
340	Potsdam	52 23	13 4	84·9	1003·9	1014·1	−0·7	290·6	299·5	12th	280·1	270·6	1st	285·4	−1·3	284·6	57	−3
340a	Upsala	59 51	17 38	24·0	1006·5	1009·4	−4·2	285·3	290·8	24th	275·9	269·4	1st	280·6	−0·6	280·6	84	+40
341	Warsaw	52 15	21 1	120	997·9	1012·4	−1·8	..	299·6	22nd	280·1	272·4	1st	285·2	−2·3	*284·8*	41	−7
342	Jurjev	58 23	26 43	74·5	999·9	1009·0	−5·0	286·5	301·0	24th	276·7	269·3	9th	281·6	−2·4	*281·5*	63	+13
343	Petrograd	59 56	30 16	4·8	..	1009·4	−4·9	..	299	..	..	271	..	281·7	−0·3	*281·4*	37	−6
344	Kiev	50 27	30 30	182·9	..	1011·2	−3·0	..	297	..	..	271	..	285·0	−2·2	*284·5*	55	+9
344a	Moscow	55 45	37 34	156	..	1009·6	−5·4	..	297	..	..	271	..	282·7	−2·4	*282·3*	83	+35
345	Saratov	51 32	46 3	59·9	..	1012·0	−1·2	..	300	..	..	273	..	287·1	−1·2	*286·6*	47	+19
346	Kazan	55 47	49 8	79·8	1003·0	1012·7	−2·7	..	301·4	22nd	..	273·7	9th	285·8	+0·6	*285·5*	44	+4
347	Orenburg	51 45	55 6	114·1	..	1013·2	−3·5	..	301	..	..	273	..	287·4	−0·3	*286·8*	80	+44
348	Perm	58 1	56 15	163·0	..	1013·1	..	..	301	..	..	271	..	284·1	+0·7	*283·5*	101	+51
349	Ekaterinburg	56 50	60 38	288·9	..	1014·7	−0·7	..	298	..	..	271	..	285·0	+1·9	*284·4*	63	+22
350	Tobolsk	58 12	68 14	108·3	1002·4	1015·6	..	..	297·8	18th	279·5	272·6	27th	284·3	+1·7	*283·7*	67	+31
351	Akmolinsk	51 12	71 23	? 347	974·4	1015·3	−0·9	..	301·8	25th	281·4	276·3	7th	287·8	+1·2	*287·2*	54	+35
352	Omsk	54 58	73 23	87·9	1004·0	1014·6	−0·8	..	298·3	18th	280·3	274·1	7th	286·8	+1·8	*286·2*	41	+11
353	Barnaoul	53 20	83 47	162·2	996·4	1015·9	0·0	..	299·4	26th	278·2	270·9	8th	286·2	+2·0	*285·6*	42	+11
354	Tomsk	56 30	84 58	121·6	1000·2	1015·0	+0·2	..	297·3	27th	276·6	269·0	23rd	283·3	+2·2	*282·7*	64	+23
355	Minousinsk	53 43	91 41	? 255	985·0	1015·5	..	..	301·4	29th	277·3	270·8	20th	285·2	..	*284·6*	37	+5
356	Eniseisk	58 27	92 11	84·4	1002·6	1013·0	−1·0	..	293·0	10th	275·1	267·8	22nd	282·2	+2·1	*281·7*	55	+23
357	Irkutsk	52 16	104 19	467·0	957·8	1013·2	−1·1	..	294·8	19th	274·5	264·7	24th	282·5	..	*282·0*	35	−8
358	Kirensk	57 47	108 7	? 263	981·1	1012·9	..	..	299·3	30th	272·9	265·0	2nd	280·7	−1·6	*280·2*	41	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	296·1	31st	269·9	256·9	2nd	277·8	..	*277·3*	13	..
360a	Nertchinsk	51 59	116 35	484·3	950·4	1007·6	..	..	299·2	31st	273·3	265·0	3rd	282·4	−2·8	*282·0*	16	..
361	Tygan Ourkan	54 5	124 46	? 370	965·2	1009·6	..	..	295·8	31st	271·1	263·4	18th	280·3	..	*279·9*	22	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	297·2	24th	274·0	266·1	2nd	283·2	..	*282·8*	95	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·4	1011·0	+0·4	279·5	286·4	..	272·3	265·3	..	276·7	−0·5	*276·4*	34	0
366	Okhotsk	59 21	143 17	6·0	1013·9	1014·7	+1·2	277·4	280·8	..	271·7	265·8	..	274·6	−1·4	*274·1*	107	..
367																		
368	Petropavlovsk	52 53 N.	158 47 E.	87·1	1000·3	1011·3	+1·5	277·1	284·4	..	272·6	269·0	..	274·9	−2·8	..	12	..
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·2	+1·3	291·3	302·0	13th	281·3	276·3	1st	286·3	+1·4	285·9	40	+5
412	Portland, Oregon	45 32	122 41	46·6	1012·3	1017·6	+0·7	293·4	304·7	12th	282·7	279·1	10th	288·1	+1·3	*287·8*	48	−13
413	Macleod	49 44	113 24	954	..	..	..	290·2	300·8	15th	278·0	269·7	4th	284·1	+0·6	*284·3*	15	−30
414	Helena	46 34	112 4	1253	872·6	1014·2	+0·7	289·6	298·6	15th	277·8	272·4	4th	283·7	−0·2	*283·9*	102	+53
414a	Salt Lake City	40 46	111 54	1331	865·9	1012·8	+1·7	291·9	302·4	29th	280·5	272·4	3rd	286·2	−1·4	*286·6*	44	−5
415	Cheyenne	41 8	104 48	1856	811·3	1011·5	+0·7	290·1	300·2	30th	276·4	270·8	13th	283·2	−0·3	*283·4*	35	−28
416	North Platte	41 8	100 45	860	914·0	1011·8	0·0	296·1	305·8	20th	280·8	272·4	14th	288·4	+0·4	*288·5*	49	−28
416a	Bismarck	46 47	100 38	510·2	951·2	1011·2	−2·0	292·4	303·6	9th	279·4	270·8	13th	285·9	0·0	*286·1*	77	+13
417	Winnipeg	49 53	97 7	231·6	..	1011·9	−2·3	291·2	302·4	26th	278·7	269·6	13th	284·9	+1·3	*284·4*	91	+40
418	Duluth	46 47	92 6	345·3	971·3	1012·8	−1·7	285·5	296·3	23rd	277·0	273·0	13th	281·2	−1·0	*281·2*	150	+61
419	Port Arthur	48 27	89 12	196·3	..	1013·8	−3·1	285·6	296·3	25th	274·9	269·7	14th	280·3	−0·4	*280·1*	77	+22
420	Chicago	41 53	87 37	250·9	983·2	1013·2	−1·4	293·4	304·1	23rd	283·6	276·9	12th	288·5	+1·9	*288·4*	101	+15
421	Toronto	43 40	79 24	106·7	..	1013·1	−1·8	291·3	300·8	23rd	280·6	272·8	14th	285·9	+0·9	285·0	150	+78
422	New York	40 43	74 0	111·3	1003·3	1014·5	−1·0	293·5	301·9	21st	284·4	279·1	1st	288·9	+0·8	289·5	100	+20
423	St. John, N.B.	45 17	66 4	21·3	..	1014·9	+1·4	286·0	292·8	19th	278·8	274·3	6th	282·4	+0·2	*282·0*	190	+91
424	S. W. Point, Anticosti	49 24	63 35	9	1011·6	..	..	280·9	290·8	29th	274·2	268·8	1st	277·6	..	..	119	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	1012·4	−2·1	287·7	299·1	13th	276·1	270·2	7th	281·9	+2·9	..	71	−10
435	Madrid	40 24	3 41	655·4	942·3	1017·8	+3·2	299·6	307·9	10th	280·7	273·0	2nd	290·2	+0·7	290·0	16	−28
436	Nantes	47 15	W 1 34	41·4	..	1017·1	+1·1	293·2	303·6	11th	282·6	275·1	1st	287·9	+1·0	*287·8*	40	−16
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1016·6	+1·2	293·5	305·5	12th	281·9	273·6	2nd	287·7	−1·4	284·5	54	+9
438	Marseilles	43 18	5 23	75·0	..	1016·3	+2·9	294·5	301·5	14th	284·2	278·9	1st	289·4	+0·1	*289·2*	45	+5
438a	Zürich	47 23	8 33	493·2	959·2	1017·3	+1·2	..	303·0	12th	..	276·4	2nd	286·7	+0·8	..	131	+17
439	Rome	41 54	12 29	63·4	..	1016·0	+1·7	295·6	301	15th	285·9	281	2nd, 3rd	290·8	+0·1	..	22	−36
440	Vienna	48 15	16 22	202·5	989·2	1013·3	−0·4	290·9	301·8	12th	282·5	275·5	1, 2, 3	286·7	−0·9	*286·6*	120	+48
440a	Buda-Pesth	47 30	19 2	129·6	997·7	1013·1	−1·2	294·5	303·9	13th	282·6	274·8	2nd	288·6	+0·2	..	40	−34
441	Bucharest	45 25	26 6	82	1003·1	1012·9	0·0	..	305·8	16th	..	276·8	3rd	288·8	−0·7	..	46	−17
442																		
443	Odessa (University)	46 29	30 46	65·3	1005·5	1013·5	−0·5	290·0	294·6	23rd	282·5	275·3	10th	286·3	−2·7	*285·6*	18	−16
444	Kharkov (University)	50 0	36 14	140	..	1012·2	−1·0	..	296	..	..	271	..	284·3	−4·0	*283·8*	112	+67
444a	Novorossiisk	44 40	37 49	37	..	1014·8	..	..	..	..	..	298	..	286·2	−3·7	*285·6*	36	−9
445	Tiflis	41 43	44 48	409	..	1014·0	−0·4	..	300	..	..	277	..	288·3	−2·6	*287·9*	89	+14
446	Astrakhan	46 21	48 2	−14	..	1013·8	−1·0	..	300	..	..	275	..	288·9	−2·5	*288·3*	36	+21
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1013·0	..	..	308	..	..	281	..	292·6	−1·4	*292·1*	..	..
449	Tachkent	41 20	69 18	478·3	958·8	1013·9	+1·1	298·9	305·7	25th	285·3	281·2	2nd	292·1	−1·9	*291·8*	26	+2
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	300·7	30th	282·3	275·5	28th	288·8	+4·2	*288·2*	33	..
452	Vernyi	43 16	76 53	? 835	919·7	1014·9	+2·2	294·8	301·9	26th	..	..	..	289·3	+0·1	*288·7*	95	+7
461	Mukden	41 48	123 23	43·8	1002·8	1008·0	−0·7	292·4	301·2	17th	281·0	275·1	8th	286·7	−1·8	286·7	86	+29
462	Joshin	40 40	129 11	4·0	1009·0	1009·4	0·0	288·8	295·6	28th	279·7	276·0	10th	284·3	−0·7	283·7	130	+67
463	Vladivostok	43 7	131 54	26·8	1006·8	1010·0	−1·9	286·9	293·0	..	278·7	274·7	..	282·8	−0·5	*282·3*	133	..
464																		
465	Ochiai	47 20	142 44	15·0	1010·7	1012·5	..	283·1	296·3	27th	273·8	269·9	15th	278·5	..	278·0	63	..
466	Nemuro	43 20 N.	145 35 E.	26·7	1009·4	1012·7	+1·2	283·6	294·2	26th	274·6	271·4	23rd	279·1	−0·7	278·7	60	−31

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1010·7	1016·6	+1·0	290·4	303·6	31st	283·6	280·8	12th	287·0	+1·0	*286·5*	37	+18
512	San Luis Obispo	35 18	120 39	61·3	1009·2	1016·6	+0·7	293·3	307·4	28th	281·9	277·4	22nd	287·6	+0·9	*287·3*	53	+31
513	Modena	37 48	113 54	1670	832·0	1011·8	+2·0	292·2	300·8	29th	275·3	268·6	4th	283·8	−1·7	*284·0*	8	−13
514	San Diego	32 43	117 10	26·5	1011·9	1014·9	+0·7	291·7	295·2	15th	286·0	282·4	4th	288·9	−0·1	*288·8*	4	−5
515	Santa Fé	35 41	105 57	2138	786·3	1009·1	−0·3	292·7	300·2	29th	279·3	271·3	4th	286·0	−0·7	*286·1*	25	−3
516	Denver	39 45	105 0	1613	835·4	1011·5	+1·0	293·6	304·1	25th	279·2	270·2	14th	286·4	−0·3	*286·5*	106	+41
517	Abilene	32 23	99 40	529·7	951·8	1011·5	0·0	303·1	311·9	27th	289·3	281·3	14th	296·2	+1·1	*296·1*	46	−48
518	Saint Louis	38 38	90 12	172·8	992·2	1012·5	−1·7	298·0	304·7	23rd	288·3	279·7	16th	293·1	+1·0	*293·0*	109	0
519	Mobile	30 41	88 2	17·4	1013·2	1015·2	−0·3	301·5	306·3	25th	292·3	286·3	18th	296·9	+0·8	*296·6*	196	+94
520	Nashville	36 10	86 47	166·4	995·9	1015·6	+0·3	298·8	305·8	27th	287·7	280·2	18th	293·2	−0·2	*293·2*	102	+13
521	Charleston	32 47	79 56	14·6	1014·1	1015·9	−0·3	299·9	308·0	25th	293·3	289·1	18th	296·7	+1·2	*296·4*	100	+13
522	Washington	38 54	77 3	34·1	1010·8	1014·9	−1·0	297·4	305·2	24th	285·3	278·0	1st	291·4	+0·5	*291·3*	123	+25
523																		
524	Bermuda	32 17	64 46	46·0	..	1020·6	+2·3	296·8	298·6	26th	290·9	286·7	7th	293·8	+0·4	..	43	−68
531	Horta	38 32	28 38	30	..	1020·2	−0·4	292·2	296	20th	287·5	284	25th, 26th	289·8	−0·3	..	68	−23
532	Ponto Delgada	37 44	25 40	17	..	1019·8	0·0	291·2	298	28th	287·3	285	12, 13, 27	289·2	−0·4	..	65	+14
533	Madeira (Funchal)	32 37	16 54	25	1017·1	1020·1	..	294·1	304·2	9th	285·0	282·3	1st	289·5	..	..	3	−19
534	Lisbon	38 43	9 9	95·4	1006·6	1018·0	+2·2	295·6	307·6	10th	287·5	284·2	1st	291·5	+1·7	*291·1*	26	−25
535	Casablanca	33 37	7 35	17	1015·8	1018·2	..	..	..	..	..	..	..	292·7	+1·6	..	4	−34
536	Gibraltar	36 6	5 21	16	1014·2	1016·1	+1·2	297·2	301·3	6th, 11th	287·2	283·6	2nd, 28th	292·2	+0·1	..	5	−64
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·6	+3·0	297·7	312·2	14th	289·1	282·8	2nd	293·4	+1·2	..	7	− 32
538	Palma	39 33	2 42	..	..	1018·4	+3·9	296·4	305	13th	287·4	282	1, 2, 3	291·9	..	..	40	..
538a	Tunis	36 48	10 10	43	..	1020·6	+5·5	299·5	311·0	13th	288·4	281·8	4th	294·0	+2·0	..	21	− 6
539	Malta	35 54	14 31	59	..	1018·8	+3·3	294·6	301	16th	288·8	284	3rd	291·7	+0·2	..	41	+ 29
540	Catania	37 30	15 3	64·9	..	1016·7	+2·1	296·8	307·6	16th	287·6	282·3	4th	292·2	+0·8	..	27	+ 4
541	Athens	37 58	23 43	107·1	..	1015·2	+1·5	296·2	303	17th	288·0	282	10th	292·1	−0·9	*292·0*	13	− 9
542	Alexandria	31 9	29 54	32·0	..	1015·9	+2·1	297·2	305	3rd	289·8	287	11th	293·5	−1·3	*292·7*	2	+ 1
543	Cairo (Helwan)	29 52	31 20	115·6	..	1015·0	+1·9	303·8	313	27th	288·8	284	12th	296·3	−1·6	296·0	0	− 1
544	Nicosia	35 12	33 24	22·1	..	1012·4	+0·1	302·1	309	28th	282·8	277	1st	292·4	−1·4	..	32	+ 1
544a	Beirut	33 54	35 28	52·4	..	1013·4	+1·1	296·5	310	28th	289·7	285	14th	293·1	−1·2	..	30	+ 12
545	Baghdad	33 21	44 28	38·7	1005·3	1009·7	+0·1	308·4	317·8	30th	291·9	287·7	15th	300·1	+0·6	..	0	− 1
546	Lenkoran	38 46	48 52	−19	1015·8	1013·4	−1·6	..	298·6	28th	285·4	279·9	5th	289·5	−1·7	*289·1*	37	− 12
547	Busrah	30 31	47 53	7·6	1008·3	1009·4	..	305·4	311·6	23rd	296·6	289·3	1st	301·1	−0·6	..	0	− 12
548	Meshed	36 16	59 35	946	904·8	1009·1	..	298·9	306·8	16th, 29th	283·0	279·2	1st	291·9	−0·5	..	23	
549	Quetta	30 11	67 3	1677	832·4	..	+1·3	302·1	307·8	16th	283·8	278·4	2nd	292·9	+0·1	*293·0*	5	− 5
550																		
551	Lahore	31 34	74 20	214	979·7	1003·3	+0·9	313·9	320·2	17th	297·6	292·6	2nd, 3rd	305·8	+1·1?	*305·6*	3	− 14
551a	Simla	31 7	77 8	2204·3	781·5	..	+1·6	295·2	300·8	18th	287·7	282·2	7th	291·4	−0·4	*291·5*	67	− 3
552	Leh	34 10	77 42	3506	667·8	..	+0·8	290·8	295·7	17th	276·0	273·6	5th	283·4	+0·2	*283·1*	5	− 0
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	15	− 25
559	Hang Kow	30 35	114 17	37·0	1005·8	1010·1	−1·5	300·7	307·8	18th	291·4	287·6	3rd, 4th	296·1	+0·9	..	99	− 17
560	Tiensin	39 10	117 10	5·0	1007·2	1007·8	−1·8	299·1	307·5	15th	286·2	280·8	1st	292·7	−0·8	..	49	+ 28
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·3	−0·8	298·4	307·0	19th	288·1	282·1	4th	293·3	+1·0	292·4	71	− 20
562	Chemulpo	37 29	126 32	67·6	1002·8	1010·9	−0·4	292·1	301·2	17th	284·1	280·8	9th	288·1	−1·1	287·3	62	− 22
562a	Nagasaki	32 44	129 52	133·0	996·1	1011·9	−0·1	294·8	299·3	16th	286·5	281·8	10th	290·6	−0·5	290·5	68	− 138
563	Kioto	35 1	135 46	49·4	1006·3	1012·2	−0·4	296·9	302·0	20th	282·8	276·5	10th	289·8	+0·3	289·8	102	− 47
564	Tokio	35 41	138 45	21·3	1009·1	1011·6	−0·6	294·6	300·4	20th	285·4	280·3	25th	290·0	+0·4	289·7	106	− 46
565	Miyako	39 38	141 59	30·4	1008·3	1011·9	−0·3	291·4	301·0	18th	279·6	273·2	24th	285·5	−0·4	284·7	117	+104
566																		
		N.	E.															

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1017·4	1018·7	+2·0	299·5	300·8	..	293·8	291·3	..	296·7	−0·4	..	11	− 41
606																		
615	Zacatecas	22 47	102 35	2610	747·6	..	..	293·6	296·8	12th	282·9	279·0	3rd	288·3	..	..	25	..
616	Leon	21 7	101 41	1798·6	824·0	..	+0·9	303·5	307·5	12th	287·3	283·4	3rd	296·4	+0·1	..	17	− 31
617	Galveston	29 18	94 50	16·5	1012·8	1014·9	+1·0	299·3	304·1	29th	294·9	289·1	15th	297·1	0·0	*296·9*	114	+ 33
618	New Orleans	29 58	90 4	15·5	1013·3	1014·9	0·0	301·8	305·8	31st	293·1	289·1	16th	297·4	+0·8	*297·2*	427	+328
619	Havana	23 8	82 22	24·3	..	1015·5	+0·7	303·1	305·4	11th	296·8	294·8	20th	300·0	+1·2	300·2	70	− 67
620	Key West	24 33	81 48	6·7	1014·5	1015·2	+0·3	302·8	304·1	30th	297·6	294·1	19th	300·2	+1·1	*300·1*	177	+ 91
621	Nassau, Bahamas	25 5	77 21	7·6	1016·2	1017·0	+1·2	302·4	304·1	8th, 30th	296·2	292·7	6th	299·3	+1·1	..	81	− 89
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	..	..	..	..	..	..	..	..	..	2	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1018·7	1019·8	−0·4	297·5	312·8	9th	290·8	289·0	2nd	294·2	+1·5	..	21	− 7
637	Insalah	27 17	E 2 27	330	..	..	..	314·5	319·5	29th	295·1	284·5	1st	304·8	+2·3	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1016·7	+2·5	309·8	320	27th	286·9	281	11th	298·4	−3·0	*300·1*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1009·4	−1·2	311·5	320	27th, 28th	292·8	286	15th, 16th	302·2	−1·4	*303·0*	..	..
643	Suez	29 57	32 32	3·4	..	1014·8	+2·5	306·3	314	27th	288·6	286	10th	297·4	−0·5	..	0	− 3
644	Aswan	24 2	32 53	99·6	..	1011·9	+0·7	312·4	320	27th	294·8	290	8th, 14th	303·6	−0·4	*305·3*	..	..
647	Bushire	28 59	50 53	4	1007·6	1008·1	+1·0	304·2	311·8	24th	296·2	291·3	2nd	300·2	−0·7	..	0	− 1
648	Jask	25 44	57 47	4	1005·8	1006·3	0·0	307·0	310·1	31st	298·4	295·1	26th	302·7	+0·1	..	0	0
649	Kurrachee	24 53	66 57	4	1005·7	1006·2	+0·8	304·7	312·2	8th	299·1	296·6	7th	301·9	+0·1	*301·3*	0	− 2
650	Hyderabad, Sind	25 24	68 18	29	1001·3	1004·5	+0·8	316·1	322·2	14th	298·6	294·7	7th	307·3	+0·6	..	0	− 4
651	Jaipur	26 56	75 52	436	957·3	1004·3	+0·7	314·9	319·8	16th, 17th	298·9	294·7	1st	306·9	+0·4	*306·5*	24	+ 10
652	Nagpur	21 8	79 5	310	971·3	1004·8	+1·0	315·8	320·6	15th	301·3	295·9	7th, 8th	308·5	+0·1	*307·9*	7	− 12
653	Allahabad	25 25	81 51	91	993·8	1004·1	+1·0	315·1	318·3	15th, 31st	299·4	295·8	4th	307·2	+0·2	*306·8*	3	− 4
654	Calcutta	22 36	88 23	6	1005·3	1005·9	+1·0	308·1	311·9	7th	298·4	294·7	15th	303·2	+0·3	*303·0*	123	− 25
655	Gauhati	26 8	91 41	59	1001·6	1008·4	..	304·2	306·8	20th, 21st	295·7	292·5	8th	299·9	..	..	210	− 30
655a	Cherrapunji	25 15	91 42	1313	867·4	..	..	296·1	298·9	12th	289·0	279·2	8th	292·6	..	..	273	−543
656	Shillong	25 33	91 48	1500	848·4	..	..	296·5	299·3	20th	287·8	285·6	1, 2, 16	292·2	..	..	227	..
656a	Akyab	20 11	92 56	6	1008·6	1009·2	+0·7	305·1	308·5	12th	298·6	293·8	16th	301·8	−0·3	*302·1*	665	+370
657	Phu Lien	20 48	106 37	115·6	993·7	1006·9	−1·1	304·7	309·2	15th, 16th	297·5	294·1	1st	301·1	+2·1	300·4	148	−120
658	Moncay	21 31	107 51	10	1006·1	1007·2	−0·6	304·2	307·0	17th, 25th	297·0	293·8	5th	300·6	+1·0	..	343	+ 45
659																		
660	Hong Kong	22 18	114 10	33·2	..	1008·8	−0·5	301·4	304·9	25th	297·3	294·2	5th	299·4	+1·2	299·1	100	−212
661	Taihoku, Formosa	25 2	121 31	9·3	1008·9	1009·9	−0·7	301·1	306·8	18th	293·8	290·4	23rd	297·5	+0·3	297·0	270	+ 65
662	Naha	26 13	127 41	10·5	1009·4	1010·6	−0·6	299·5	303·4	18th, 21st	292·6	288·5	10th	296·1	−0·4	296·0	312	+ 64
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

MAY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	844·0	..	..	305·1	308·0	11th	289·4	285·3	4th	297·3	..	..	20	..
716	Morelia	19 14	100 7	1933	810·5	..	..	299·4	303·6	11th	285·9	282·9	16th	293·4	..	..	110	..
717	Salina Cruz	16 12	95 16	56·3	1005·3	1011·8	..	..	308·2	24th	..	294·2	29th	301·5	..	..	127	+ 37
718	Mexico	19 26	99 8	2280	780·7	..	+1·2	299·1	303·0	11th	284·9	280·9	1st	292·0	+0·1	291·7	27	− 19
718a	Oaxaca	17 4	96 44	1563	846·8	..	..	304·0	309·4	10th	288·5	283·4	18th	296·3	..	..	32	..
719	Belize	19 29	88 12	1·9	..	..	..	303·6	305·2	9th	298·9	295·2	20th	301·3	..	..	213	+109
720	San Salvador	13 44	89 9	657	938·4	1011·3	+0·9	306·1	309·5	9th	293·7	290·0	5th	299·9	+2·5	..	105	− 65
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·0	+1·5	302·9	303·9	20th	295·2	294·1	5th	299·1	−0·2	*298·7*	206	+ 57
722	Port au Prince	18 34	72 22	37·4	1010·4	1014·7	+3·3	305·9	307·9	13th	295·2	293·9	12th	300·6	..	299·8	219	− 59
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·4	1014·1	..	303·0	304·6	..	297·6	296·7	..	300·3	..	..	26	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·0	1012·9	+0·3	302·3	303·6	8, 15, 18	297·9	296·3	20, 30, 31	300·1	+0·8	..	92	− 27
725	Barbadoes	13 8	59 36	55·2	..	1012·4	..	302·7	303·9	7th	298·2	294·7	5th	300·4	+0·4	*300·3*	8	− 71
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·7	1014·9	+0·1	298·0	301·4	10th	293·9	291·0	8th	295·9	+0·3	..	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·7	1015·7	..	300·1	303·2	9th	294·5	292·1	3rd	297·3	..	..	0	..
733	Bathurst	13 24	16 36	5	1012·8	1013·4	+0·3	301·3	307·4	10th	293·1	291·3	7th, 12th	297·2	−0·6	..	0	− 1
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	315·4	319·1	6th, 16th	292·4	290·5	11th	302·4	..	..	0	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	298·9	295·8	6th, 10th	..	..	..	20	..
736	Timbouctoo	16 43	W 2 52	250	..	1007·0	−0·8	317·9	321·0	..	296·0	292·0	..	307·0	−0·6	*306·9*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	312·2	314·1	4th	301·2	298·6	6th, 30th	306·7	+1·5	..	4	− 34
738	Kontagora	10 24	5 24	400	..	..	..	312·9	315·8	6th	298·1	293·6	30th	305·5	+3·6	..	10	− 63
739	Maiduguri	11 48	13 12	370	..	..	..	315·3	316·9	2, 23, 26	297·9	294·1	23rd	306·6	..	..	0	− 24
740	Katagum	12 17	10 22	30·7	..	..	..	315·6	319·1	26th	297·7	292·4	22nd	306·6	..	..	3	− 32
742	Kadugli	11 2	29 45	503	..	..	..	312·6	315·5	1, 17, 21	294·3	289·0	13th	303·4	..	..	66	..
743	El Obeid	13 11	30 14	585	..	1009·8	−0·5	312·8	316	1st, 3rd	295·4	288	7th	304·1	+0·7	*304·6*	0	− 9
744	Khartoum	15 37	32 33	390	..	1007·5	−0·4	315·5	320	29th	299·0	294	15th	307·2	+0·6	*307·7*	0	− 2
746	Aden	12 45	45 3	28·7	1007·2	1010·4	+1·5	306·4	308·6	24th, 26th	300·4	297·4	7th	303·4	−0·2	*302·7*	0	− 3
751	Bombay	18 54	72 49	11·3	1008·3	1009·6	+0·5	306·4	308·0	6th	300·3	295·8	29th	303·3	+0·5	*302·7*	11	− 7
752	Mysore	12 18	76 40	768	925·6	1008·9	+0·3	306·8	309·1	12, 17, 21	294·7	292·2	23rd, 31st	300·7	+0·6	*299·8*	124	− 4
752a	Kodaikanal	10 13	77 28	2343	771·5	..	+0·3	294·6	298·6	24th	285·9	284·7	12, 20, 28	290·3	+0·6	289·4	151	+ 2
753	Madras	13 4	80 14	6·7	1006·6	1007·4	+0·3	310·8	317·2	20th	301·3	298·0	1st	306·1	+0·9	304·7	0	− 27
754	Waltair	17 45	83 16	68·9	999·0	1006·6	+0·9	306·5	311·6	28th	300·6	296·8	10th	303·6	..	*303·0*	15	− 43
755	Port Blair	11 40	92 40	17·7	1007·5	1009·6	+0·8	304·7	307·8	4th	298·9	294·7	22nd	301·8	+0·1	*301·2*	140	−289
756	Rangoon	16 46	95 48	5·5	1008·6	1009·3	+0·4	307·3	311·9	1st, 2nd	298·2	295·5	17th	302·7	+0·5	*301·4*	251	− 59
757	Saigon	10 46	106 42	11·2	..	1008·7	+0·8	310·1	312·0	20th	297·8	294·7	8th	304·0	+1·6	..	66	−164
758	Nhatrang	12 16	109 12	6·8	..	1008·3	+0·4	307·7	308·6	26th, 29th	298·0	296·6	2nd	302·9	+1·1	..	2	− 61
759	Bolinao	16 24	119 53	9·7	..	1008·7	..	308·3	309·1	11, 25, 28	298·7	296·2	18th	303·5	..	302·8	19	−235
760	Vigan	17 34	120 23	14·7	..	1009·0	..	307·4	308·4	26th	298·4	296·8	9th, 23rd	302·9	..	302·4	1	−218
761	Manila	14 35	120 59	14·2	..	1009·1	+0·3	309·0	311·3	19th	297·3	294·9	11th	303·2	+0·5	302·0	21	− 90
762	Ormoc	11 0	124 36	5·6	..	1009·3	..	305·1	307·6	3rd	294·8	292·3	12th	300·0	..	300·2	5	− 68
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	1009·9	..	304·2	305·6	26th, 28th	297·7	296·2	6th, 7th	301·0	..	..	17	..
		N.	E.															

MAY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	1012·5	+0·6	304·4	308·8	23rd	297·8	296·3	30th, 31st	301·1	+0·4	*300·2*	394	+ 43
819	Culebra	9 10	79 40	123·1	..	1010·5	0·0	304·7	308·6	5th	296·3	294·1	20th	300·3	+0·4	..	207	− 76
822	Caracas	10 31	66 56	?	899·0	..	..	301·1	304·0	..	290·4	..	..	295·8	..	..	27	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·3	..	..	304·1	306·9	15th	295·0	293·6	28th	299·6	..	..	309	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·0	1013·2	+0·5	302·9	303·1	5th	297·6	296·3	15, 25, 28	300·3	+0·8	..	231	− 63
826a	Paramaribo	5 49	55 9	4	1013·3	1013·7	..	302·2	304·6	9th	296·3	293·2	19th	299·3	..	*298·7*	401	..
	Cayenne	4 56	52 21	6	..	..	..	302·5	305·2	6th	296·9	295·4	31st	299·7	+0·4	..	595	−153
833	Conakry	9 31	13 43	16	1009·9	1011·7	+0·9	308·6	311·2	..	298·3	293·2	..	303·5	+2·7	..	52	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	306·3	308·2	19th	297·1	293·8	4th	301·7	+2·1	..	164	−137
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·6	305·8	sev. dates	294·6	288·6	20th	299·6	−0·5	..	113	− 77
836	Accra	5 35	W 0 6	18	..	..	..	302·7	306·3	1st	294·1	288·6	30th, 31st	298·4	−1·3	..	76	− 71
837	Lagos	6 22	E 3 28	7·6	1010·1	1011·0	+0·2	304·4	306·1	..	297·9	294·7	..	301·2	+0·9	..	192	− 64
838a	Zungeru	9 48	6 10	130	..	1010·6	−0·4	309·4	311·9	20th	298·2	294·1	30th	303·8	+1·9	..	25	− 81
839	Libreville	0 23	9 26	35	..	..	..	305·1	306·8	14th, 16th	295·7	294·8	sev. dates	300·4	+0·8	..	274	+ 9
841	Yola	9 12	12 30	259	..	..	..	311·4	314·1	21st	299·3	294·7	31st	305·3	+3·1	..	42	− 83
842	Kafia Kingi	9 22	24 18	596	947·1	1014·1	..	..	..	..	..	..	..	..	..	..	57	..
843	Wau	7 42	28 3	440	..	1010·6	−0·7	..	..	..	296·3	293	28th	..	..	..	91	..
844	Entebbe	0 5	32 29	1177	883·4	..	+0·2	299·1	300·8	4th	291·1	289·1	26th	295·1	+0·9	..	306	+ 96
845	Nandi	0 2	35 5	2010	..	..	..	299·7	300·8	7th	284·0	283·6	10th	291·8	..	..	167	..
	Harrar	9 42	42 30	1856	..	..	..	300·2	302	10th, 11th	288·3	287	23, 29, 30	294·3	..	..	39	..
851	Cothin	10 0	76 21	2·7	1009·5	1009·8	+0·3	305·1	306·7	15th	298·4	296·2	26th	301·8	+0·1	*301·2*	274	− 15
852	Colombo Observatory	6 54	79 53	7·3	1007·8	1008·6	+0·7	304·6	306·3	4th	297·4	295·3	24th	301·0	−0·3	*300·4*	490	+ 34
853	Candy	7 18	80 40	504·5	..	..	..	303·6	305·6	25th	294·8	293·0	29th	299·2	+0·3	..	74	− 67
855	Medan	3 35	98 41	23·5	..	1009·2	−0·4	..	..	..	..	..	..	..	..	..	239	+ 57
856	Kota Radja	5 32	95 20	7·1	..	1010·7	..	..	..	..	..	..	..	..	..	..	312	+153
857	Penang	5 34	100 20	5·0	1007·3	1007·9	−1·7	304·9	306·9	1st	297·9	294·1	21st	301·4	+0·3	..	376	+161
858	Singapore	1 17	103 51	2·2	1009·3	1009·5	0·0	304·1	305·6	10th	297·7	296·2	27th,	300·9	+0·1	..	196	+ 45
860	Sandakan	5 49	118 12	..	..	..	..	305·0	305·8	sev. dates	297·8	296·9	sev. dates	301·4	+0·4	..	26	−126
861	Tagbilaran	9 38	123 51	26·2	..	1009·0	..	306·5	308·2	17th	..	..	..	..	..	300·5	2	−105
863	Surigao	9 48	125 29	6	..	1008·7	..	305·0	306·4	31st	296·7	294·8	5th	300·9	..	..	18	− 98
869	Yap	9 29	138 8	31·9	..	1008·5	..	304·7	306·0	21st	297·4	295·2	24th	301·1	..	..	229	..
	Uyelang	9 42	161 2	10	..	..	..	..	..	..	..	..	..	..	..	..	20	−147
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

† Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	307·1	308·0	20, 24, 26	296·5	295·8	sev. dates	301·8	+0·5	..	71	− 20
906																		
923	Manaos	3 8	59 59	32·4	1003·2	1006·9	−1·6	..	..	..	..	..	..	300·1	−0·8	..	194	+ 52
930	Fernando Noronha	3 51	W32 25	95	1000·4	1011·3	..	..	301·5	..	..	293·0	..	298·8	..	*298·8*	568	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	296·3	294·0	31st	..	..	..	17	..
940	Loango	4 38	11 50	? 50	..	..	..	307·0	309·0	2nd, 3rd	293·8	292·5	20th	300·4	+0·6	..	171	..
943	Daressalam	6 49	39 18	7·6	1013·1	1013·9	..	302·6	304·2	2nd	294·2	292·6	25th	298·4	..	298·3	63	..
944	Nairobi	1 18	36 59	1660	..	..	..	295·2	297·4	3rd	285·6	282·7	18th	290·4	..	..	187	+ 59
944a	Zanzibar	6 10	39 11	21·9	1013·6	1016·0	−0·1	302·7	303·6	4th	297·9	295·5	9th	300·3	+1·2	..	88	−202
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·4	303·0	19th	296·3	294·1	3rd	298·8	..	..	11	..
947	Seychelles	4 37	55 27	4·6	..	1011·9	−0·9	303·1	304·2	..	299·2	296·2	..	301·2	+0·9	*300·3*	233	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·4	−0·3	..	..	..	..	..	..	..	..	..	461	+144
957	Batavia	6 11	106 50	8	1009·2	1010·1	+0·6	304·1	305·6	14th	297·2	295·8	12th	300·7	+0·7	300·4	13	− 83
958	Pontianak	0 1	109 20	2·6	..	1010·6	+1·6	..	..	..	..	..	..	..	..	..	616	+349
959	Passeroean	7 38	112 55	5·0	..	1010·2	+0·3	304·8	306·0	..	295·7	294·0	..	300·3	..	*300·3*	6	− 75
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1011·4	..	..	..	..	..	..	..	..	..	..	1	− 31
962	Ambon	3 42	128 10	4·2	..	1010·5	+1·3	..	..	..	..	..	..	..	..	..	625	+108
965	Daru	9 4	143 13	8	..	1011·8	+0·6	304·8	..	..	297·2	..	..	301·0	+1·6	..	109	−174
966	Port Moresby	9 29	147 9	39	..	1012·0	+1·2	302·2	..	..	297·1	..	..	299·6	−0·5	..	39	− 51
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	353	+ 17
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	−0·3	304·0	305·8	4, 5, 8	298·1	296·9	8, 29, 30	301·1	+0·9	..	120	− 68
970	Ocean Island	0 52	169 36	27·8	..	1008·6	+0·4	304·2	305·2	13th	297·6	295·8	24th	300·9	0·0	..	171	+ 72
		S.	E.															

MAY—ZONE 10. Between Latitude 10° S. and 20° S.

1001		S.	W.															
1002	Apia, Samoa	13 48	171 46	5	..	1011·3	+0·4	..	304·0	..	..	293·4	..	299·6	+1·2	..	188	+ 53
1003	Alofi, Niue Island	19 2	169 55	36·6	1013·3	1015·5	−0·6	301·4	305·8	1st	294·3	288·6	28th	297·9	+0·4	..	109	−117
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1012·0	..	302·7	305·4	..	297·0	294·4	..	299·9	..	..	34	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1012·7	1013·9	..	297·6	301·2	17th	286·4	283·0	22nd, 23rd	292·0	+1·6	..	0	..
1022	Arequipa	16 22	71 33	2451	762·5	..	+1·2	293·8	296·9	6th	282·8	278·0	18th	288·3	+2·0	..	3	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	+2	..	0	− 8
1025																		
1026	Cuyaba	15 36	56 0	235	..	1020·4	+0·1	302·5	306·1	6th	295·4	286·2	27th, 28th	299·0	..	..	45	..
1035	St. Helena	15 57	W 5 40	632	947·4	1020·3	+0·9	293·4	295·5	16th	287·8	286·1	25th	290·6	+0·3	*290·4*	169	+ 73
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	861·1	..	..	298·8	303·4	..	284·7	279·2	..	291·8	..	..	8	0
1043	Salisbury, Rhodesia	17 49	31 3	1487	859·3	..	..	298·6	302·2	..	283·2	277·8	..	290·9	..	..	0	− 12
1044	Zomba	15 23	35 18	899	909·0	1009·4	+0·4	300·1	302·8	1st	287·8	285·2	20th	294·0	+2·4	..	16	− 2
1045	Tamatave	18 9	49 26	4	1016·3	1016·7	−0·9	..	..	..	296·3	294·0	..	298·1	..	..	527	+280
1046	Tananarivo	18 55	47 32	1400	866·9	..	+0·7	296·7	299·5	7th	285·3	281·3	30th	291·0	+0·6	289·9	2	− 9
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·9	+1·6	302·3	304·4	26th	298·2	296·6	28th	300·2	0·0	..	233	+ 46
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·6	1009·2	+0·7	304·5	305·9	..	297·6	296·7	..	301·1	+0·8	..	71	−190
1058																		
1061	Derby	17 18	123 40	16·2	..	1015·0	+1·8	305·9	308·7	12th, 13th	292·2	285·1	30th	299·1	+0·9	..	0	− 23
1062	Hall's Creek	18 13	127 46	373·4	..	1016·2	+1·0	304·0	307·4	2nd, 5th	285·2	277·7	30th	294·6	+0·1	..	0	− 11
1063	Port Darwin	12 28	130 51	29·6	..	1012·3	+1·5	305·4	307·4	3rd	296·2	293·1	26th	300·8	+0·1	*299·6*	2	− 18
1064	Daly Waters	16 16	133 23	213	..	1013·6	..	304·9	308·0	2nd	289·2	280·8	26th	297·1	+0·4	..	0	− 4
1065	Mein	13 13	142 57	121·9	..	1012·3	..	302·1	304·1	2, 4, 28	292·5	286·4	27th	297·3	..	..	3	− 7
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	303·0	305·2	3rd	288·4	278·6	27th	295·7	..	..	0	− 10
1067	Samarai	10 37	150 40	6·4	..	1012·2	+1·4	300·8	..	..	297·4	..	..	299·1	0·0	..	245	− 83
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1014·3	−0·1	299·5	300·8	8, 9, 13	295·5	292·4	30th	297·5	−0·3	..	482	+239
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S. MAY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	298·7	301·9	8, 9, 10	293·4	289·1	27th	296·1	..	..	66	−108
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1017·0	1020·5	..	296·6	299·4	2nd, 3rd	290·9	288·1	29th	293·8	..	..	54	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·5	1016·5	..	289·2	292·0	4th	284·3	282·9	19th	286·8	..	..	43	..
1122	Puerto de Antofagasta	23 39	70 25	5	1013·0	1013·6	−0·9	297·1	298·7	5th, 6th	286·0	284·1	21st, 31st	291·6	+0·2	..	28	+ 28
1125	Goya	29 9	59 15	64	1010·9	1018·6	..	294·3	304·0	9th	286·6	275·5	21st	290·5	+0·3	*289·4*	121	+ 53
1126	Porto Alegre	30 2	51 13	26	1015·9	1017·5	..	295·6	303·5	5th	286·5	278·7	27th	291·1	..	*291·2*	369	..
1127	Curityba	25 26	49 16	908	916·9	1019·0	−1·1	294·6	299·4	17th	283·6	271·2	26th	289·1	+1·9	288·8	45	− 71
1128	Rio de Janeiro	22 54	W43 10	64	..	1017·9	+0·7	299·2	306·0	25th	293·5	290·0	31st	296·4	+1·2	..	57	− 35
1139	Windhuk	22 34	E17 5	1665·3	936·0	..	..	297·3	300·2	12th	283·6	276·7	28th	290·5	..	290·6	0	..
1140																		
1141	Johannesburg	26 11	28 4	1874	826·1	..	+0·2	292·0	296·1	18th, 23rd	281·8	275·3	4th	286·9	+0·7	*286·5*	15	− 4
1142	Kimberley	28 43	28 46	?1232	885·3	..	−0·8	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	872·2	..	−0·3	296·9	301·8	2nd	280·0	275·8	4th	288·4	+1·1	..	6	− 4
1143	Durban	29 51	31 0	79·9	1009·7	1019·1	−1·7	298·5	308·9	21st	289·3	284·7	17th	293·9	+0·6	..	152	+110
1144	Lorenzo Marques	25 58	32 36	59	..	1018·7	−0·5	300·0	305·9	22nd	289·7	287·7	5th	294·9	+0·7	294·3	55	+ 24
1147	Mauritius	20 6	57 33	54·3	1008·6	1014·9	−1·3	299·1	300·5	25th	293·4	289·8	30th	296·3	+0·6	295·8	163	+ 80
1148																		
1159	Onslow	21 43	114 57	4·3	..	1015·2	+0·6	303·6	308·7	13th	288·7	279·7	30th	296·1	+1·2	..	3	− 41
1160	Peak Hill	25 38	118 47	588·3	..	1017·0	+0·5	298·6	304·6	4th	286·2	277·4	29th	292·4	+1·9	..	19	− 7
1161	Nullagine	21 53	120 5	385·6	..	1016·8	+1·2	302·0	306·3	4th	285·1	278·0	25th, 26th	293·6	+0·3	..	0	− 15
1162	Laverton	28 40	122 23	466·3	..	1020·6	+1·7	296·5	301·9	3rd, 20th	283·8	273·6	29th	290·2	+1·4	..	11	− 25
1163	Alice Springs	23 38	133 37	587·0	..	1019·7	+1·4	296·9	304·1	9th	280·2	273·6	26th	288·6	+0·2	*288·5*	0	− 15
1164	William Creek	28 55	136 21	76·2	..	1022·3	..	296·3	302·2	7th	280·6	274·9	24th	288·5	+0·3	..	0	− 11
1165	Boulia	22 55	139 38	145·7	..	1017·3	+2·1	301·1	304·8	11th	284·6	279·4	26th	292·9	+1·2	..	0	− 9
1166	Mitchell	26 32	147 52	337·1	..	1019·4	..	297·9	302·4	12th	277·1	271·9	27th	287·5	..	..	0	− 43
1167	Rockhampton	23 24	150 30	11·3	..	1019·4	+1·7	299·6	301·9	23rd	287·2	280·2	27th, 28th	293·4	−0·1	..	50	+ 9
1168	Brisbane	27 28	153 2	41·7	..	1020·4	+1·3	297·7	300·9	14th	285·6	278·9	28th	291·6	+0·6	..	5	− 70
1169	Noumea	22 16	166 27	9	1012·8	1013·8	..	300·0	302·4	24th	292·5	289·4	11th	296·3	+1·0	..	152	+ 37
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	141	+ 6
		S.	E.															

Between Latitude 30° S. and 40° S. MAY—ZONE 12.

1219		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	1016·8	1018·0	−0·6	290·8	293·3	3rd	285·2	282·0	25th	288·0	−0·8	..	111	− 77
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1012·4	1017·2	+1·4	289·5	296·5	2nd	283·2	279·0	18th	286·4	−1·7	..	221	+132
1222	Santiago	33 27	70 42	520	956·4	1017·9	+1·6	289·5	298·0	2nd	278·2	271·9	25th	283·9	−1·1	282·3	98	+ 41
1223	Cordoba	31 25	64 12	439	965·4	1017·4	−1·3	292·3	303·5	7th	279·6	267·5	25th	286·0	−0·9	285·2	32	+ 13
1224	Buenos Ayres	34 16	64 11	25·2	1013·7	1016·7	+0·1	289·4	299·2	7th	281·6	273·7	25th	285·5	−0·8	285·5	245	+169
1225	Rio Grande	32 2	52 6	2·3	1015·6	1015·9	..	292·3	300·3	10th	287·1	279·0	26th	289·7	..	..	314	..
1226	Montevideo	34 52	W56 12	29·3	..	1016·6	−0·4	..	297·9	7th	..	277·3	26th	..	+0·3	287·1	223	+159
1239	Cape Town	33 56	E18 29	9	1017·1	1018·2	+0·3	292·2	304·3	25th	283·8	277·4	14th	288·0	+0·2	..	69	− 35
1240	Danger Point	34 37	19 18	20	..	..	..	290·9	296·3	2nd, 22nd	285·0	281·9	16th	287·9	..	..	75	..
1241	Heidelberg	34 5	20 58	1541	853·8	..	+1·2	294·8	299·1	22nd	277·1	272·4	5th	285·9	+1·2	..	8	− 39
1242	East London	33 2	27 55	10·1	1016·4	1017·6	−0·3	295·9	304·7	2nd	285·6	280·8	6th	290·4	+0·4	..	3	− 39
1259	Perth (Observatory)	31 57	115 51	60·0	..	1019·3	+0·7	294·0	304·0	1st	284·7	277·4	28th	289·3	+0·6	..	68	− 58
1260	Katanning	33 42	117 35	309·7	..	1018·2	−0·1	292·6	303·1	2nd	281·2	273·8	28th	286·9	+1·1	..	40	− 13
1261	Coolgardie	30 57	121 10	423·3	..	1020·4	+1·0	294·4	301·9	21st	282·9	274·7	29th	288·7	+1·5	..	37	+ 3
1262	Eucla	31 45	128 58	4·6	..	1020·6	+1·5	296·5	303·6	22nd	284·0	279·3	10th	290·3	+1·3	..	22	− 10
1263	Streaky Bay	32 48	134 13	13·1	..	1022·2	+1·5	294·8	304·1	7th	283·1	277·4	14th	288·9	+1·2	..	12	− 40
1264	Adelaide	34 56	138 35	42·7	..	1023·2	+3·1	293·9	303·2	8th	283·4	277·9	24th	288·7	+1·4	..	21	− 50
1265	Melbourne	37 49	144 57	35·1	..	1023·0	+3·5	290·0	296·9	8th	279·6	274·4	20th	284·8	−0·5	..	34	− 21
1266	Bourke	30 13	145 58	110·1	..	1022·9	+3·5	294·8	300·5	18th	279·6	273·6	27th	287·2	−1·3	..	0	− 26
1267	Sydney	33 51	151 13	44·5	..	1022·0	+3·3	290·8	293·6	18th	283·4	280·3	30th	287·1	−0·7	..	83	− 43
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	113	− 23
1271	Auckland	36 50	174 50	38·1	..	..	..	289·0	291·3	20th	282·2	278·3	24th	285·6	−1·2	..	40	− 70
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S. MAY—ZONE 13.

1301		S.	W.															
1302	Chatham Island	43 52	170 42	58	..	..	..	285·1	287·4	seven dates	279·8	276·3	three dates	282·4	−0·9	..	62	− 20
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	286·2	288·3	6th	278·7	276·2	23rd	282·5	..	..	316	..
1322	Punta Galera	40 1	73 44	40	1010·8	1015·7	..	286·3	290·4	29, 30, 31	278·3	276·5	19th	282·3	..	..	323	..
1323	Bahia Blanca	38 45	W62 12	20	1014·0	1016·4	+1·1	288·9	296·0	7th	279·1	270·6	25th	284·0	−0·8	*283·4*	16	− 15
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1019·4	+3·7	287·3	295·2	8th	279·2	274·7	23rd, 27th	283·2	0·0	..	28	− 21
1366	Launceston	41 27	147 10	9·4	..	1020·8	..	288·5	293·7	9th	277·6	272·2	23rd	283·1	+0·5	..	35	− 30
1369																		
1370	Dunedin	45 52	170 31	90	..	1018·3	+6·0	284·1	291·3	19th	277·2	274·7	twice	280·7	−0·5	..	40	− 52
1371	Christchurch	43 32	172 38	7·6	..	1019·6	+5·9	284·7	290·9	3rd	276·5	269·3	24th	280·6	−1·5	..	39	− 20
1372	Wellington	41 16	174 46	2·4	..	1020·5	+5·8	286·4	289·7	29th	281·0	276·4	25th	283·7	−0·8	..	86	− 37
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Min.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Max.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·0	1000·8	..	..	..	..	273·8	271·0	3rd	278·3	..	..	256	..
1422	Puerto de Punta Arenas	53 10	70 54	4	999·4	999·9	+0·2	278·4	284·9	13th	273·1	268·4	29th	275·8	−1·3	275·7	44	+4
1423	Punta Dungeness	52 24	68 25	5	999·4	1000·0	..	279·8	283·6	12th	275·5	274·0	6th, 12th	277·7	..	..	2	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	999·1	−2·5	279·4	283·0	14th	273·1	270·8	6, 18, 24	276·3	−0·3	277·1	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	991·1	991·6	−2·6	277·0	282·2	6th	270·9	264·0	29th	274·0	−0·2	*273·7*	166	+11
1430		S.	W.															

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	985·6*	986·5	−4·8	268·9	275·0	20th	257·4	242·4	27th	263·1	−2·4	263·3	28	−14
1528																		

MAY—ZONE 16. Between Latitude 70° S. and 80° S.

1669		S.	E.															
1670	CapeEvans(McMurdo Sound)	77 38	166 24	18	..	987·1	−2·9	..	263·0	..	..	237·2	..	..	+1·6	251·0	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE by S	7·2	E 4	E 4	SW 3	W 2	SE 2	SE 2	SE 2	SW 3	SW 3	E	0·8
2	SE by S	8·7	E 4	NE 3	SW 2	W 3	SE 4	SE 1	SE 3	SW 3	SE 2	SE	0·9
3	ESE	6·8	Calm 0	SE 2	W 2	SW 2	SE 3	SE 1	SE 4	SE 2	SE 3	E	2·9
4	SSE	6·6	SE 3	E 3	SW 3	W 4	E 4	SE 1	SE 1	SE 3	SE 3	E	4·0
5	SE by S	3·0	E 2	NE 4	Calm 0	SW 4	E 2	NE 1	Calm 0	SE 2	NE 2	E	4·9
6	SSE	1·7	E 4	NE 4	SW 2	W 2	NE 1	E 1	Calm 0	NE 3	NE 2	N	2·5
7	SSE	1·4	E 4	E 4	W 3	Calm 0	E 3	SE 6	Calm 0	NE 3	NE 3	N	1·7
8	SE by S	3·2	E 4	NE 4	Calm 0	W 2	SE 4	NE 2	Calm 0	Calm 0	NE 2	N	0·6
9	SE by S	5·1	NE 4	NE 4	W 2	SW 2	NE 4	E 2	Calm 0	NE 2	NE 3	Calm	0·2
10	SE by S	3·5	NE 4	NE 2	W 2	SE 2	E 1	E 2	SE 4	NE 1	NE 3	Calm	0·8
11	SSE	2·8	E 4	SE 4	W 3	SW 2	E 1	E 2	SE 4	NE 1	NE 2	E	8·4
12	SE by S	4·3	SE 4	E 4	Calm 0	W 2	E 2	E 2	SE 2	NE 2	SE 2	E	4·2
13	SSE	8·1	E 4	NE 4	SW 2	Calm 0	E 2	E 1	SE 4	SE 2	NE 2	E	*4·5
14	SSE	6·0	NE 4	NE 4	Calm 0	W 2	E 4	E 2	SE 4	NE 3	NE 3	E	1·7
15	SSE	3·6	SE 4	E 2	Calm 0	Calm 0	E 2	E 1	SE 2	NE 3	NE 2	E	4·6
16	SSE	3·1	SE 3	E 4	Calm 0	W 2	E 1	E 2	SE 4	NE 3	NE 3	NE	4·8
17	SSE	2·8	E 4	E 4	Calm 0	W 4	NE 3	NE 2	Calm 0	NE 2	NE 3	NE	3·0
18	SSE	4·9	NE 4	NE 6	SW 2	SW 2	NE 2	NE 1	SE 3	NE 3	NE 3	NE	3·9
19	SE by S	6·6	NE 5	NE 2	Calm 0	W 4	NE 1	NE 1	SE 4	NE 3	SW 2	SW	1·4
20	SSE	5·1	E 5	NE 5	Calm 0	Calm 0	NE 1	N 1	SE 4	SW 4	NE 2	SW	0·4
21	S by E	4·5	NE 4	NE 3	SW 2	W 4	N 1	NE 1	SE 4	NE 3	NE 4	Calm	2·4
22	SSE	2·3	E 6	NE 5	SW 2	Calm 0	E 2	E 1	SE 3	SW 2	SW 4	SE	1·4
23	S by W	4·3	E 4	E 2	Calm 0	SE 2	E 3	E 1	SE 4	SW 3	SW 3	E	0·9
24	SSE	6·9	ENE 2	NE 4	W 2	Calm 0	E 2	E 2	SE 2	SW 3	NW 2	NE	1·3
25	SSE	4·7	SE 1	ESE 1	Calm 0	Calm 0	E 2	E 2	SE 2	NW 2	NW 4	NE	1·5
26	SE	7·5	SE 3	SE 1	Calm 0	W 2	NE 2	E 1	SE 1	NW 3	NW 3	NE	1·5
27	SE by S	9·0	S 1	NE 1	Calm 0	Calm 0	Calm 0	NE 1	SE 3	NW 3	NW 4	NE	3·1
28	SE	7·1	NE 2	NE 2	W 2	SE 2	NE 3	NE 1	SE 2	NW 1	NW 3	E	3·0
29	S by E	4·1	NNE 2	SE 4	W 2	Calm 0	NE 3	NE 2	SE 2	NW 2	NW 2	Calm	1·7
30	SSE	4·5	S 4	E 3	Calm 0	Calm 0	NE 4	NE 3	SE 3	NW 2	NW 4	NE	0·9
31	SE by S	3·8	E 4	E 4	NE 2	Calm 0	NE 2	NE 1	Calm 0	NW 2	NW 3	NE	0·7
Mean for month	..	4·9	..	3·5	..	3·3	..	1·2	..	1·6	2·3	1·6	2·3	2·4	2·8		2·4	
Deviation from Normal	..	−1·2	..	..	..	..	..	..	..	−0·8	..	..	..	..	..		..	

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1912.

**The Seas round Novaja Zemlja and Spitsbergen.*—"The *White Sea* was filled with drift ice. In the *Barents Sea* the ice still lay close to the Murman coast. The ice boundary was further W. than usual, but the ice commenced to scatter and drift W. The firm edge lay 30 miles off Cape Kanin, trending N. along 40° E. East of Bear Island the ice was close, and a narrow belt of ice surrounded the Island, whence an ice-belt 50 miles broad extended W. of Spitsbergen, past Icefjord. The Storfiord was filled with ice."

**Greenland Sea.*—"Between lat. 75°–79° the ice boundary followed long. 45° E. The coasts of *Iceland* were ice-free. At Angmagsalik the sea was covered with 'Storis'."

North Atlantic and Labrador.—"On the Newfoundland Banks was much ice and pack. The icebergs did not go so far E. as in April, but were extraordinarily numerous and reached lat. 35° 15′ N., long. 47° W.; the floes did not reach so far S. In *Belle Isle Strait* there was pack."

**Davis Strait.*—"Round Cape Farewell the ice was 60–30 miles off shore. Julianehaab Bay was filled with ice, and off Nunarsuit scattered 'Storis' reached about 100 miles off shore. Early in the month the ice disappeared from Frederikshaab; later from Fiskernaes. Further north the coast was ice-free throughout. From Umanak the ice drifted away, this being a whole month earlier than usual."

**Hudson Bay.*—"At Cape Fullerton the ice attained its greatest thickness, about 2 m."

**Bering Sea.*—"In the middle of May no ice was observed."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1014·6	1015·5	..	..	..	..	..	..	..	274·2	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1011·8	1014·1	+2·4	281·4	288·9	28th	272·5	267·1	2nd	276·8	+2·3	..	14	+2
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1017·0	1018·4	+5·9	..	281·1	29th	272·6	269·6	8th	274·9	..	..	7	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1013·1	1013·9	+0·8	..	297·0	27th	278·1	274·1	14th	..	+0·3	*280·2*	59	+22
142	Mehavn	71 1	27 47	6·4	1013·0	1013·8	..	..	291·3	23rd	276·6	273·6	3rd	..	..	*279·0*	73	+34
143	Vardö	70 22	31 8	10·0	1012·6	1013·8	+0·5	..	283·8	24th	275·5	273·4	2nd	..	−0·9	*277·7*	41	+8
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1009·6	1011·5	+0·2	..	279·2	21st	270·9	268·2	9th	273·1	−1·2	*272·7*	7	−12
148		N.	E.															

Between Latitude 70° N. and 60° N. JUNE—ZONE 2.

203	Nome	N. 64 30	W. 165 24	6·7	1012·2	1013·0	..	285·2	295·2	..	276·7	269·7	..	280·9	..	..	7	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	290·6	300·2	..	278·2	270·2	..	284·4	..	..	52	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	288·4	294·7	..	279·7	275·8	..	284·1	..	..	31	..
208	Eagle	64 46	141 12	248	978·1	1007·6	..	291·8	299·7	..	275·6	268·6	..	283·7	..	..	53	..
209	Dawson	64 4	139 20	321	969·5	1007·6	−2·3	291·2	299·1	30th	278·0	272·4	28th	284·6	−2·8	..	19	−28
210	Carcross	60 11	134 34	662	..	..	..	287·3	294·1	..	275·5	270·2	..	281·4	..	..	15	..
211																		
212	Fort Simpson	61 52	120 43	129	997·0	1012·6	..	291·9	302·4	20th	279·8	271·9	10th	285·9	..	*286·8*	88	..
213	Hay River	60 51	115 20	161	991·5	1010·8	..	289·2	300·5	7th	278·9	271·3	1st	284·1	..	..	67	..
214	Fort Resolution	61 0	113 0	240	..	..	..	292·3	304·1	..	281·1	274·1	..	286·7	..	..	17	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1011·4	1012·9	+2·2	283·1	291·6	30th	276·9	271·5	1st	280·0	+1·6	..	10	−9
229	Godthaab	64 11	51 44	9	1008·4	1009·5	−0·1	..	..	..	275·8	271·2	2nd	278·8	+1·5	..	65	+29
230	Angmagsalik	65 37	37 34	31·7	1013·2	1017·1	..	284·3	290·2	13th	276·5	269·7	22nd	280·4	..	..	28	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1012·3	1013·6	+3·2	285·9	289·5	28th	279·6	276·9	1st	282·8	+1·7	..	5	−35
233	Vestmanno	63 26	20 15	7·7	1012·6	1013·5	+1·9	286·4	292·5	10th	280·1	276·4	8th	283·3	+0·5	..	48	−49
234	Grimsey (Akureyri)	66 33	17 58	6·8	1013·8	1014·6	+3·2	284·4	289·7	29th	276·9	275·1	19th	280·7	+2·3	..	6	−17
235	Berufjord	64 40	14 19	18	1012·6	1014·8	+3·3	283·9	291·2	10th	277·7	274·7	14th	280·8	+0·4	..	24	−47
236	Thorshavn	62 3	6 45	25·7	1009·1	1012·2	−1·4	283·4	288·0	25th	279·1	275·1	18th	281·3	−1·2	..	31	−48
	Lerwick	60 9	W 1 8	18·0	1007·4	1009·6	−4·7	284·5	288·0	25th	280·7	276·9	18th	282·6	−0·2	..	44	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·9	1009·2	−4·6	..	297·1	3rd	283·1	278·4	18th	..	+0·3	*286·1*	56	−37
239	Christiansund	63 7	7 45	17·8	1008·0	1010·2	−3·5	..	292·5	23rd	281·6	276·9	14th	..	+0·3	*284·5*	37	−14
240	Trondhjem	63 26	10 25	39·5	1005·4	1010·1	−3·2	..	299·7	24th	281·9	274·3	1st	..	+1·7	*286·6*	28	−18
241	Bodö	67 17	14 24	20·5	1009·4	1011·8	−1·4	..	298·0	24th	280·7	275·0	1st	..	+1·0	*284·1*	19	−34
242	Haparanda	65 50	24 9	9·2	1009·7	1010·8	−1·6	290·1	301·0	24th	281·2	274·5	2nd	285·7	+1·1	..	74	+40
242a	Helsingfors	60 10	24 57	11·7	..	1010·7	−1·2	..	297	..	..	279	..	288·0	+0·6	*287·5*	82	+40
	Kuopio	62 54	27 40	99·7	..	1011·5	..	..	301	..	..	275	..	288·4	+0·9	*287·8*	59	..
243																		
244	Kola	68 53	33 1	6·7	1012·2	1013·0	+0·8	284·9	295·1	26th	276·7	273·3	1st, 2nd	280·8	−2·0	..	66	+49
245	Petrozavodsk	61 47	34 23	38·9	..	1011·8	−0·6	..	299	..	..	274	..	289·0	+1·9	*288·5*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1011·9	0·0	..	302	..	..	274	..	287·9	+2·3	*287·4*	74	+36
247	Velsk	61 5	42 7	? 87	1002·3	1012·6	..	..	305·4	23rd	284·6	275·3	7th	292·1	..	*291·6*	48	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1013·1	+0·7	..	306	..	..	274	..	286·2	+2·1	*285·6*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	997·8	1012·5	..	..	305·6	23rd	281·0	272·9	14th	289·5	..	*288·9*	19	..
249																		
250	Berezov	63 56	65 4	39·7	1006·8	1011·6	0·0	..	295·8	22nd	280·5	274·2	27th	284·8	+1·0	*284·2*	57	+12
251	Obdorsk	66 31	66 35	23·7	1008·6	1011·5	+0·1	..	293·1	22nd	276·1	268·4	1st	280·4	0·0	*279·8*	31	..
252	Sourgout	61 15	73 24	? 40	1004·3	1009·1	−0·5	..	295·3	22nd	280·3	270·1	2nd	285·2	0·0	*284·5*	47	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1003·5	1005·9	..	..	289·9	30th	274·2	270·9	3rd	277·6	..	*277·2*	26	..
261																		
262	Olekminsk	60 22	120 26	? 202	986·0	1009·7	−4·8	..	301·1	20th	282·3	276·8	13th	290·0	+2·9	*289·5*	31	..
263	Iakoutsk	62 1	129 43	? 108	992·4	1005·1	−2·5	..	301·1	24th	284·0	278·2	4th	290·6	+1·9	*290·1*	62	+37
264	Verkholansk	67 33	133 24	? 100	989·0	1000·7	−3·7	..	301·5	16th	283·0	276·2	4th	291·6	+5·8	*291·2*	39	+23
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	296·0	24th	280·5	275·1	7th	288·7	..	*288·2*	19	..
		N. ° ′	E. ° ′		metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	283·5	286·3	..	276·8	271·9	..	280·2	..	..	116	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1013·6	1016·9	+3·8	287·5	291·3	..	279·6	275·2	..	283·6	−3·0	..	89	+ 5
310	Prince Rupert	54 18	130 18	52	..	1017·7	..	288·1	293·0	5th	280·8	276·3	4th	284·4	..	..	104	..
311	Barkerville	53 2	121 35	1274	..	1015·6	..	290·7	300·8	25th	277·1	270·8	2nd, 4th	283·9	+1·2	*283·9*	64	− 26
312	Kamloops	50 41	120 29	379	..	1012·●	−1·2	299·8	311·3	25th	285·4	278·0	6th	292·6	+1·9	*292·5*	39	− 6
313	Calgary	51 2	114 2	1033	..	1011·0	+0·9	296·2	305·2	26th	280·7	271·3	6th	288·4	+4·0	*288·6*	109	+ 26
314	Fort Chipewyan	58 42	111 10	218	985·6	1011·3	..	294·7	306·3	21st	282·3	273·0	4th	288·5	..	*289·3*	59	..
315	Prince Albert	53 10	106 0	436	961·7	1012·1	+2·3	298·6	308·3	..	282·9	274·9	..	290·7	+3·4	*291·1*	70	+ 3
316	Qu'Appelle	50 30	103 47	645	..	1014·7	+3·9	296·7	308·0	27th	281·8	271·9	6th	289·2	+1·4	*289·3*	40	− 59
317	Minnedosa	50 15	99 50	518	..	1015·7	..	297·5	309·7	27th	281·6	273·8	6th	289·5	+1·2	*289·2*	8	− 79
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	28	..
318a	York Factory	57 0	92 28	11	1013·3	1014·6	+0·4	..	298·6	21st	275·9	269·1	2nd	280·8	−2·2	..	..	..
319	Fort Hope	51 32	87 48	..	983·3	..	..	294·2	308·0	24th	279·4	271·9	21st	286·8	..	..	12	..
320	Moose Factory	51 16	80 56	9	1011·7	1012·8	..	291·6	303·6	25th	277·2	269·7	9th	284·4	..	..	74	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1006·9	1007·4	−3·5	281·0	289·5	..	274·2	269·9	..	277·6	−2·2	..	48	..
325	Davis Inlet	55 50	60 50	..	1001·0	..	..	285·●	297·4	2nd	275·0	270·2	7th	280·0	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	..	..	..	..	..	..	..	..	48	− 26
327	Belle Isle	51 55	55 20	133	991·8	1008·3	..	277·7	283·0	1, 5, 26	273·6	267·4	8th	275·7	..	..	56	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1007·3	1008·8	−7·2	289·2	291·3	11th	283·1	275·8	4th	286·2	−0·7	286·2	197	+106
335	Aberdeen	57 10	2 6	27·4	1005·4	1008·5	−6·4	286·9	292·4	18th	282·1	277·4	17th	284·5	−0·7	284·3	50	+ 5
336	Greenwich	51 28	W 0 0	48·5	1004·9	1010·8	−5·5	293·8	301·9	19th	282·6	278·6	3rd	288·2	−0·5	287·7	60	+ ..
337	Uccle	50 48	E 4 22	100	1000·3	1009·9	−6·3	294·0	303·1	19th	283·9	280·9	17th	289·0	−0·1	*288·7*	83	+ 14
338	De Bilt	52 6	5 11	3·0	1011·1	1011·5	−3·4	293·2	301·2	20th	283·9	278·8	17th	288·6	−1	288·2	123	+ 65
338a	Hamburg	53 33	9 59	26·0	1008·6	1011·7	−3·3	292·5	300·4	29th	285·4	280·5	18th	289·0	−0·7	288·9	120	+ 40
339	Copenhagen	55 41	12 36	5·0	1010·7	1011·3	−2·7	290·3	295·8	30th	284·6	280·4	18th	287·5	−0·4	..	51	0
340	Potsdam	52 23	13 4	84·9	1002·0	1012·1	−3·1	294·7	302·7	7th	285·1	280·2	17th, 18th	289·9	0·0	289·3	49	− 8
340a	Upsala	59 51	17 38	24·0	1007·1	1010·0	−2·6	292·9	299·8	29th	281·1	274·6	3rd	287·0	+0·5	287·3	47	− 1
341	Warsaw	52 15	21 1	120	998·0	1012·2	−1·4	..	301·8	8th	286·0	278·9	19th	291·5	−0·1	*291·0*	24	− 44
342	Jurjev	58 23	26 43	74·5	1003·0	1011·9	−0·5	294·4	302·2	26th	283·8	277·6	2nd	289·1	+0·2	*288·8*	59	+ 4
343	Petrograd	59 56	30 16	4·8	..	1012·0	−0·3	..	302	..	..	279	..	289·5	+1·3	*289·1*	65	+ 17
344	Kiev	50 27	30 30	182·9	..	1011·6	−0·7	..	302	..	..	280	..	291·8	+0·8	*291·2*	56	− 6
344a	Moscow	55 45	37 34	156	..	1013·0	+1·1	..	302	..	..	282	..	292·7	+2·9	*292·1*	30	− 25
345	Saratov	51 32	46 3	59·9	..	1012·2	+1·9	..	311	..	..	286	..	298·1	+4·8	*297·5*	8	− 31
346	Kazan	55 47	49 8	79·8	1002·8	1012·2	+1·5	..	306·8	17th	..	283·2	30th	294·7	+4·1	*294·3*	109	+ 54
347	Orenburg	51 45	55 6	114·1	..	1012·3	+0·9	..	307	..	..	282	..	295·9	+3·4	*295·2*	47	− 4
348	Perm	58 1	56 15	163·0	..	1012·0	..	..	306	..	..	280	..	292·5	+3·5	*291·8*	45	− 20
349	Ekaterinburg	56 50	60 38	288·9	..	1012·3	+1·6	..	304	..	..	278	..	291·2	+3·0	*290·5*	20	− 53
350	Tobolsk	58 12	68 14	108·3	998·4	1011·3	..	..	300·8	4th	283·7	279·3	2nd	289·0	−0·2	*288·3*	47	− 20
351	Akmolinsk	51 12	71 23	? 347	969·9	1010·2	−1·0	..	304·8	6th	284·1	278·9	15th	291·1	−0·4	*290·4*	85	+ 43
352	Omsk	54 58	73 23	87·9	998·8	1009·2	−0·3	..	305·1	6th	283·9	278·5	3rd	290·0	−0·1	*289·3*	41	− 11
353	Barnaoul	53 20	83 47	162·2	989·8	1009·0	−1·2	..	302·2	8th	282·6	276·2	21st	289·3	−1·2	*288·6*	54	+ 14
354	Tomsk	56 30	84 58	121·6	992·4	1007·0	−2·2	..	299·8	8th	280·6	275·2	1st	286·3	−2·4	*285·6*	133	+ 51
355	Minousinsk	53 43	91 41	? 255	978·6	1008·4	..	..	300·4	8th	283·0	275·8	18th	289·4	..	*288·7*	55	− 1
356	Eniseisk	58 27	92 11	84·4	995·0	1005·1	−5 3	..	298·5	12th	279·5	275·7	10th	285·7	−3·4	*285·0*	63	0
357	Irkutsk	52 16	104 19	467·0	952·4	1006·4	−3 1	..	299·2	30th	279·0	272·1	20th	287·7	−0·8	*287·1*	62	+ 15
358	Kirensk	57 47	108 7	? 263	975·0	1005·8	..	..	300·4	23rd	280·3	275·5	11th	287·7	..	*287·1*	78	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	302·2	24th	279·1	273·6	4th	287·1	..	*286·5*	33	..
360a	Nertchinsk	51 59	116 35	484·3	946·7	1002·1	..	..	309·0	25th	282·5	274·9	4th	291·0	−1·9	*290·5*	41	..
361	Tygan Ourkan	54 5	124 46	? 370	961·8	1004·7	..	..	302·1	25th	279·9	272·4	7th	289·9	..	*289·4*	55	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	302·0	27th	282·5	275·4	1st	289·9	..	*289·4*	90	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·2	1008·7	−0·8	288·5	296·6	..	281·6	273·1	..	286·2	+0·7	*285·8*	35	− 7
366	Okhotsk	59 21	143 17	6·0	1011·8	1012·5	−0·2	282·0	286·0	..	277·7	273·9	..	279·9	−1·6	*279·4*	115	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	1002·4	1011·2	+1·9	281·8	291·5	..	276·9	273·2	..	279·4	−3·7	..	44	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JUNE—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1016·9	+0·7	293·4	302·9	6th	282·7	278·2	3rd	288·1	+1·7	287·7	25	+ 1
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·9	−0·3	296·1	306·9	6th	285·0	280·2	2nd	290·6	+1·3	*290·2*	77	+30
413	Macleod	49 44	113 24	954	..	..	..	299·6	310·2	26th	281·8	271·9	6th	290·7	+3·6	*290·9*	42	+17
414	Helena	46 34	112 4	1253	874·0	1013·9	+2·0	297·1	307·4	26th	282·7	278·6	16th	289·9	+1·0	*290·1*	34	−20
414a	Salt Lake City	40 46	111 54	1331	866·6	1012·2	+1·4	299·8	305·2	27th	287·3	277·4	16th	293·6	+0·4	*294·3*	23	+ 3
415	Cheyenne	41 8	104 48	1856	816·0	1015·2	+4·7	294·9	303·0	28th	280·6	273·6	18th	287·7	−1·7	*288·0*	30	−10
416	North Platte	41 8	100 45	860	919·0	1016·9	+5·8	298·3	308·6	28th	284·3	276·3	19th	291·3	−1·9	*291·4*	14	−69
416a	Bismarck	46 47	100 38	510·2	957·1	1016·9	+5·4	296·9	309·7	28th	283·3	275·8	16th	290·1	−0·8	*290·2*	90	0
417	Winnipeg	49 53	97 7	231·6	..	1016·0	+4·2	298·7	309·8	24th	283·4	273·7	6th	291·1	+1·3	*290·3*	23	−64
418	Duluth	46 47	92 6	345·3	975·9	1016·9	+3·7	292·9	306·3	25th	282·5	276·9	16th	287·7	+0·4	*287·6*	34	−81
419	Port Arthur	48 27	89 12	196·3	..	1016·2	+2·0	293·7	303·0	22nd	280·1	274·1	7th	286·9	+0·3	*286·8*	44	−32
420	Chicago	41 53	87 37	250·9	987·8	1017·6	+3·0	296·2	303·6	29th	287·7	282·4	7th	291·9	−0·2	*291·7*	45	−48
421	Toronto	43 40	79 24	106·7	..	1016·1	+1·9	295·9	304·5	29th	283·7	275·8	8th	289·8	−1·3	289·4	44	−26
422	New York	43 40	74 0	111·3	1005·4	1016·6	+1·4	297·6	306·9	29th	288·9	283·0	8th	293·2	−0·1	293·8	30	−53
423	St. John, N.B.	45 17	66 4	21·3	..	1012·8	−1·7	290·2	297·6	24th	282·0	277·3	11th	286·1	−0·2	*285·6*	67	−11
424	S. W. Point, Anticosti	49 24	63 35	9	1007·9	1009·0	..	284·2	290·5	26th	277·8	274·1	10th	281·0	..	..	89	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	1007·6	−5·9	290·3	301·9	5th	279·3	274·7	17th	284·8	+2·0	..	56	−43
435	Madrid	40 24	3 41	655·4	941·0	1015·1	−0·7	303·1	310·9	21st, 22nd	284·4	277·5	2nd	293·8	0·0	293·5	15	−15
436	Nantes	47 15	W 1 34	41·4	..	1015·0	−2·9	293·0	305·1	22nd	283·6	281·0	2nd	288·3	−1·8	*288·1*	75	+19
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1013·6	−3·2	295·0	304·5	19th	284·1	280·8	17th	289·6	−3·5	286·1	82	+28
438	Marseilles	43 18	5 23	75·0	..	1014·2	−0·8	297·7	301·8	22nd	286·8	282·5	4th	292·3	−0·6	*292·2*	51	+25
438a	Zürich	47 23	8 33	493·2	958·1	1015·5	−2·3	..	302·0	23rd	..	282·2	2nd	289·1	−0·4	..	178	+44
439	Rome	41 54	12 29	63·4	..	1013·2	−2·5	299·8	303	sev. dates	289·5	285	1st	294·6	0·0	..	51	+10
440	Vienna	48 15	16 22	202·5	988·4	1012·2	−2·3	294·6	298·5	29th	286·7	283·1	1st	290·7	−0·1	*290·7*	91	+21
440a	Buda-Pesth	47 30	19 2	129·6	997·6	1012·8	−1·3	298·8	303·6	8th	286·9	282·3	18th	292·9	+1·3	..	95	+19
441	Bucharest	45 25	26 6	82	1002·3	1012·0	−0·4	..	307·6	14th	..	284·5	24th	294·4	+1·2	..	37	−48
442																		
443	Odessa (University)	46 29	30 46	65·3	1004·0	1011·8	−0·9	297·8	302·5	30th	288·7	283·4	20th	293·3	−0·5	*292·6*	126	+68
444	Kharkov (University)	50 0	36 14	140	..	1012·3	−0·3	..	303	..	..	282	..	292·6	+0·5	*291·9*	76	+21
444a	Novorossiisk	44 40	37 49	37	..	1011·6	..	..	301	..	..	284	..	292·6	−1·6	*292·0*	126	+76
445	Tiflis	41 43	44 48	409	..	1011·6	+0·4	..	306	..	..	287	..	295·4	+0·7	*295·0*	37	−33
446	Astrakhan	46 21	48 2	−14	..	1012·2	+0·8	..	308	..	..	288	..	298·3	+1·9	*297·8*	5	−15
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1009·5	..	..	310	..	..	291	..	300·3	+1·9	*299·7*	..	..
449	Tachkent	41 20	69 18	478·3	953·0	1006·6	−0·8	306·3	312·1	29th	290·3	285·8	2nd	298·3	−0·9	*297·8*	8	0
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	305·5	13th	286·1	277·5	2nd	..	..	..	29	..
452	Vernyi	43 16	76 53	? 835	915·7	1009·2	+2·2	299·5	305·7	30th	..	..	..	293·8	−0·7	*293·0*	78	+24
461	Mukden	41 48	123 23	43·8	998·4	1003·5	−1·0	301·4	306·7	18th	288·5	282·0	4th	295·0	+0·6	294·9	66	−21
462	Joshin	40 40	129 11	4·0	1005·9	1006·4	−0·6	291·5	298·9	27th	285·2	281·7	1st	288·4	−0·9	287·9	68	− 7
463	Vladivostok	43 7	131 54	26·8	1004·3	1007·5	−2·3	290·7	297·0	..	283·8	279·0	..	287·3	−0·7	*286·8*	181	..
464																		
465	Ochiai	47 20	142 44	15·0	1009·9	1012·7	..	289·3	297·7	16th	279·1	271·5	8th	284·2	..	283·6	24	..
466	Nemuro	43 20	145 35	26·7	1008·3	1011·6	+1·2	285·7	295·2	3rd	278·8	275·0	10th	282·2	−0·9	281·7	120	+22
		N.	E.															

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

		N.	W.															
511	San Francisco	37 48	122 26	47·2	1009·0	1014·5	0·0	292·7	306·9	2nd	284·8	281·9	18th	288·8	+1·9	*288·1*	21	+15
512	San Luis Obispo	35 18	120 39	61·3	1007·6	1014·9	+0·7	295·1	305·2	17th	283·1	278·6	22nd	289·1	+0·3	*288·7*	0	− 3
513	Modena	37 48	113 54	1670	833·4	1011·5	+1·7	299·7	305·2	5th	280·3	274·1	16th	290·0	−0·3	*290·3*	1	−10
514	San Diego	32 43	117 10	26·5	1010·4	1013·5	+0·3	292·7	295·2	29th	287·9	285·2	24th	290·3	−0·3	*290·1*	4	+ 3
515	Santa Fé	35 41	105 57	2138	790·3	1011·8	+2·4	296·4	301·9	3rd	283·4	271·3	18th	289·9	−2·1	*290·1*	56	+31
516	Denver	39 45	105 0	1613	839·8	1015·6	+5·1	297·2	304·7	26th	283·3	276·3	17th	290·2	−1·9	*290·5*	58	+20
517	Abilene	32 23	99 40	529·7	954·5	1014·2	+2·4	305·0	314·1	15th	291·1	284·1	18th	298·1	−0·7	*298·0*	67	−13
518	Saint Louis	38 38	90 12	172·8	996·6	1016·9	+2·7	298·8	303·0	1st	289·8	282·4	8th	294·3	−2·7	*294·2*	176	+64
519	Mobile	30 41	88 2	17·4	1014·1	1015·9	+0·3	301·6	306·3	18th	294·3	290·2	10th	298·0	−1·2	*297·6*	118	−33
520	Nashville	36 10	86 47	166·4	998·2	1017·9	+2·4	300·3	304·7	1st	290·3	285·8	9th	295·3	−2·3	*295·0*	144	+33
521	Charleston	32 47	79 56	14·6	1015·8	1017·6	+1·4	301·8	309·7	18th	294·8	288·0	9th	298·3	−0·5	*297·9*	175	+38
522	Washington	38 54	77 3	34·1	1013·1	1017·3	+1·4	299·6	306·9	2nd	289·1	280·2	9th	294·3	−1·3	*294·1*	111	+ 5
523																		
524	Bermuda	32 17	64 46	46·0	..	1020·6	+1·6	299·9	303·7	26th	293·9	288·6	11th	296·9	+0·2	..	76	−56
531	Horta	38 32	28 38	30	..	1024·0	+1·6	295·1	299	27th	290·5	287	2nd, 19th	292·8	+0·5	..	40	−29
532	Ponto Delgada	37 44	25 40	17	..	1024·2	+0·7	294·7	302	30th	289·3	286	3rd	292·0	0·0	..	7	− 9
533	Madeira (Funchal)	32 37	16 54	25	1018·8	1021·8	..	294·9	298·3	26th	286·1	283·7	2nd	290·5	..	..	0	−12
534	Lisbon	38 43	9 9	95·4	1006·9	1018·3	+0·7	295·5	301·2	17th	287·4	285·3	2nd	291·5	−0·9	*291·1*	22	+ 2
535	Casablanca	33 37	7 35	17	1015·8	1018·2	..	..	..	..	..	287·5	..	294·0	+1·0	..	3	− 1
536	Gibraltar	36 6	5 21	16	1013·4	1015·2	−0·6	299·2	303·6	21st	289·0	286·9	10th	294·1	−0·7	..	4	−10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JUNE—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1016·0	+0·4	299·0	306·6	23rd	290·2	287·0	13th	294·6	−1·0	..	11	0
538	Palma	39 33	2 42	..	..	1016·4	−0·5	298·0	302	24th, 30th	290·1	286	12th	294·0	..	..	28	..
538a	Tunis	36 48	10 10	43	..	1018·4	+2·3	300·4	309·8	30th	288·7	285·0	19th	294·6	−1·6	..	6	− 7
539	Malta	35 54	14 31	59	..	1015·1	−1·3	297·3	301	21st, 30th	291·5	289	1st	294·4	−1·0	..	0	− 3
540	Catania	37 30	15 3	64·9	..	1013·9	−1·5	299·8	302·4	30th	291·2	286·5	1st	295·5	+0·1	..	7	0
541	Athens	37 58	23 43	107·1	..	1011·6	−1·3	302·7	306	8th, 9th	293·0	291	sev. dates	297·8	+0·4	*297·4*	8	− 5
542	Alexandria	31 9	29 54	32·0	..	1011·5	−1·1	301·5	310	14th	293·5	291	4th, 13th	297·5	+0·3	*296·9*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	..	1010·8	−1·2	307·4	313	14th	292·4	289	3rd	299·9	0·0	300·0	0	0
544	Nicosia	35 12	33 24	22·1	..	1008·7	−1·4	308·6	312	15th	289·4	286	1st	299·0	+0·9	..	0	− 13
544a	Beirut	33 54	35 28	52·4	..	1009·1	−1·3	300·5	303	15th	293·4	291	1st	297·0	−0·3	..	0	− 4
545	Baghdad	33 21	44 28	38·7	998·6	1002·9	−2·0	316·1	319·3	14th	297·8	293·3	2nd	306·9	+2·5	..	0	0
546	Lenkoran	38 46	48 52	−19	1013·0	1010·7	−0·6	..	303·0	8th	293·4	289·9	5th	297·6	+1·4	*297·2*	1	− 22
547	Busrah	30 31	47 53	7·6	1000·7	1001·8	..	313·2	317·6	23rd	301·7	298·7	1st	307·4	+2·1	..	0	0
548	Meshed	36 16	59 35	946	901·0	1002·2	..	305·7	310·2	30th	287·8	283·9	1st	296·8	+0·3	..	17	+ 9
549	Quetta	30 11	67 3	1677	828·1	..	+0·6	305·9	309·7	30th	286·2	282·8	1st, 2nd	296·1	−0·7	*295·7*	0	− 4
550																		
551	Lahore	31 34	74 20	214	973·9	997·1	−0·8	316·2	321·0	19th	301·1	295·9	10th, 11th	308·6	+1·6	*308·4*	16	− 31
551a	Simla	31 7	77 8	2204·3	778·1	..	+0·6	296·8	300·7	19th	290·1	285·1	10th	293·4	+0·6	*293·0*	59	− 117
552	Leh	34 10	77 42	3506	666·1	..	+0·7	293·8	297·4	28th	278·9	275·8	5th, 6th	286·3	−1·6	*285·7*	6	+ 1
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	130	− 84
559	Hang Kow	30 35	114 17	37·0	998·8	1003·0	−2·7	305·1	309·1	11th	296·4	293·7	27th	300·8	+2·1	..	277	+ 9
560	Tiensin	39 10	117 10	5·0	1003·5	1004·1	−0·9	303·0	312·2	17th	292·7	288·2	9th	297·9	−0·2	..	52	− 8
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1003·4	−3·2	302·5	306·5	29th	293·0	288·0	6th	297·8	+1·3	296·8	297	+ 127
562	Chemulpo	37 29	126 32	67·6	997·9	1005·8	−1·1	297·8	302·0	26th	289·8	286·4	1, 2, 10	293·8	+0·1	293·0	53	− 33
562a	Nagasaki	32 44	129 52	133·0	990·1	1005·5	−3·2	298·3	301·8	25th	290·2	286·9	10th	294·2	−0·8	294·2	222	− 111
563	Kioto	35 1	135 46	49·4	1001·0	1006·8	−2·6	300·5	304·0	29th	287·5	280·8	2nd	294·0	−0·2	293·1	118	− 118
564	Tokio	35 41	138 45	21·3	1004·5	1007·0	−2·5	297·5	300·4	24th	289·5	285·6	2nd	293·5	−0·2	293·1	264	+ 98
565	Miyako	39 38	141 59	30·4	1005·1	1008·7	−1·2	292·3	298·2	25th	285·7	281·4	7th	289·0	−0·4	288·4	259	+ 245
566																		

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1016·2	1017·5	+1·2	300·3	301·3	..	294·6	293·0	..	297·4	−0·5	..	9	− 20
606																		
615	Zacatecas	22 47	102 35	2610	747·0	..	..	291·0	298·0	16th	282·4	280·8	27th, 29th	286·7	..	..	188	..
616	Leon	21 7	101 41	1798·6	823·8	..	+0·1	300·2	305·1	9th	288·4	286·1	9th	294·1	−1·1	..	408	+ 299
617	Galveston	29 18	94 50	16·5	1013·3	1015·2	+1·0	301·1	304·1	6th	295·8	292·4	20th	298·4	−1·7	*298·2*	102	− 18
618	New Orleans	29 58	90 4	15·5	1013·6	1015·2	0·0	301·7	305·2	17th	295·4	291·9	11th	298·6	−0·9	*298·2*	104	− 51
619	Havana	23 8	82 22	24·3	..	1016·3	+0·9	302·8	305·4	15th, 27th	296·7	294·6	9th	299·8	+0·1	299·8	327	+ 175
620	Key West	24 33	81 48	6·7	1015·3	1015·9	+0·3	303·1	305·2	19th	297·5	294·1	5th	300·3	−0·6	*300·3*	230	+ 122
621	Nassau, Bahamas	25 5	77 21	7·6	1017·5	1018·4	+1·9	303·2	304·9	15, 16, 20	296·8	290·5	4th	300·0	−0·2	..	241	+ 65
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1019·1	1020·2	−0·8	297·4	299·8	27th	291·3	289·4	21st	294·4	+0·2	..	0	− 2
637	Insalah	27 17	E 2 27	330	..	..	..	315·3	319·4	30th	297·9	293·3	8th	306·6	−0·7	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1012·6	−0·5	313·9	320	13th	294·3	291	9th, 19th	304·1	0·0	*305·1*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1007·8	−1·1	314·0	319	16th	294·2	290	9th	304·1	−1·3	*304·5*	..	..
643	Suez	29 57	32 32	3·4	..	1010·7	−0·4	309·8	316	15th	291·8	290	3rd	300·8	+0·9	..	0	0
644	Aswan	24 2	32 53	99·6	..	1008·8	−0·7	314·1	318	11th	294·3	295	19th	305·7	−0·7	*307·5*	..	..
647	Bushire	28 59	50 53	4	1000·3	1000·9	+0·2	307·2	309·6	15th	301·2	298·0	8th	304·2	+1·1	..	0	0
648	Jask	25 44	57 47	4	999·2	999·6	−0·5	309·6	315·1	17th	301·2	298·4	4th	305·4	+0·5	..	0	− 1
649	Kurrachee	24 53	66 57	4	999·8	1000·3	−0·1	306·2	311·9	12th	301·7	300·8	1, 2, 10	303·9	+0·6	*303·2*	0	− 25
650	Hyderabad, Sind	25 24	68 18	29	995·3	998·5	−0·3	315·4	321·6	10th	301·1	299·1	1st	308·3	+1·4	..	0	− 13
651	Jaipur	26 56	75 52	436	952·1	998·9	−0·2	315·5	318·9	7th, 19th	301·9	295·0	12th	308·7	+2·5	*308·0*	2	− 50
652	Nagpur	21 8	79 5	310	967·5	1001·0	0·0	314·8	318·9	5th	301·7	297·1	30th	308·3	+3·8	*307·3*	21	− 201
653	Allahabad	25 25	81 51	91	988·5	998·8	−0·4	314·9	319·4	17th	301·4	294·9	27th	308·1	+1·7	*307·4*	40	− 212
654	Calcutta	22 36	88 23	6	1000·1	1000·9	0·0	306·9	310·8	18th	299·3	295·8	10th	303·1	+0·8	*302·9*	242	− 48
655	Gauhati	26 8	91 41	59	996·1	1002·7	..	305·0	307·9	4 days	297·5	295·3	2nd, 9th	301·2	..	..	448	+ 74
655a	Cherrapunji	25 15	91 42	1313	863·1	..	..	295·7	298·7	3rd, 15th	290·7	288·1	9th	293·2	..	..	2291	− 20
656	Shillong	25 33	91 48	1500	844·2	..	..	297·1	298·8	13th, 16th	289·8	286·7	11th	293·4	..	..	280	− 156
656a	Akyab	20 11	92 56	6	1003·4	1004·0	−0·3	303·6	307·4	3rd	298·2	295·8	8th	300·9	+0·1	*301·0*	1289	+ 144
657	Phu Lien	20 48	106 37	115·6	988·5	1001·6	−2·1	307·0	311·5	24th	299·4	296·4	6th	303·2	+1·0	302·3	185	− 26
658	Moncay	21 31	107 51	10	1000·8	1001·9	−2·0	305·5	308·4	20th, 23rd	298·9	296·3	3rd	302·2	+0·9	..	360	− 160
659																		
660	Hong Kong	22 18	114 10	33·2	..	1004·3	−1·7	302·7	304·8	17th	298·9	296·3	5th	300·8	+0·5	300·6	360	− 56
661	Taihoku, Formosa	25 2	121 31	9·3	1003·9	1004·9	−2·2	303·5	307·1	26th	295·8	293·5	8th	299·6	−0·6	299·1	451	+ 206
662	Naha	26 13	127 41	10·5	1004·6	1005·8	−2·8	301·5	304·2	15th	296·1	292·0	10th	298·8	−0·4	298·6	349	+ 50

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	845·7	..	..	300·8	304·0	2nd	291·2	289·2	28th	296·0	..	..	82	..
716	Morelia	19 41	101 11	1933	..	..	..	296·1	300·8	14th	286·7	285·5	9th	?292·0	..	..	132	..
717	Salina Cruz	16 12	95 16	56·3	1006·1	1012·6	..	..	306·0	8th, 11th	..	295·0	5th	300·0	..	..	266	+ 44
718	Mexico	19 26	99 8	2280	780·0	..	+1·1	296·3	301·1	14th	285·9	283·2	10th	291·1	−0·4	290·2	167	+ 68
718a	Oaxaca	17 4	96 44	1563	846·8	..	..	299·4	303·7	1st	288·4	286·6	24th	293·9	..	..	142	..
719	Belize	19 29	88 12	1·9	..	..	..	303·9	306·3	11th	298·7	295·8	3rd	301·3	..	..	221	− 9
720	San Salvador	13 44	89 9	657	938·9	1012·4	+1·7	303·1	306·0	24th	291·5	283·8	10th	297·3	+0·2	..	199	− 76
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·5	+1·6	303·8	305·5	17th	296·0	294·1	19th	299·9	+0·2	*299·3*	47	− 112
722	Port au Prince	18 34	72 22	37·4	1011·5	1015·8	+3·5	307·1	309·5	26th	295·7	293·5	7th	301·4	..	300·5	65	− 30
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·8	1015·5	..	303·4	304·6	..	298·0	295·3	..	300·7	..	..	121	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·9	1013·8	+0·3	301·5	303·0	4th, 20th	297·4	295·2	21st, 22nd	299·5	+0·6	..	183	− 43
725	Barbadoes	13 8	59 36	55·2	..	1013·0	..	303·0	304·4	5, 14, 15	298·4	294·3	21st	300·7	+0·8	*300·5*	72	− 64
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·0	1015·2	−0·2	299·1	302·0	21st	295·0	294·0	1, 6, 8	297·0	+0·4	..	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·8	1016·7	..	300·6	303·8	10th	295·7	294·2	19th	298·2	..	..	0	..
733	Bathurst	13 24	16 36	5	1012·2	1012·8	−0·5	303·6	308·0	1st	295·8	292·4	5th	299·7	+0·1	..	44	− 33
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	312·1	315·2	4, 10, 15	288·4	284·7	19th, 24th	300·3	..	..	55	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	297·2	293·0	21st, 30th	..	..	..	98	..
736	Timbonctoo	16 43	W 2 52	250	..	1007·8	−1·1	316·9	320·0	..	297·6	294·0	..	307·3	−0·2	*306·8*	30	..
737	Sokoto	13 2	E 5 14	354	..	..	..	308·1	311·9	2nd	299·1	295·8	13th	303·6	+0·8	..	70	− 19
738	Kontagora	10 24	5 24	400	..	..	..	306·7	310·8	10th	295·4	292·4	11th	301·1	+1·3	..	131	− 45
739	Maiduguri	11 48	13 12	370	..	..	..	312·3	316·3	8th	297·9	294·1	20th, 21st	305·1	..	..	37	− 14
740	Katagum	12 17	10 22	30·7	..	..	..	311·9	315·2	7, 9, 10	297·0	293·0	22nd	304·5	..	..	21	− 24
742	Kadugli	11 2	29 45	503	..	..	..	307·2	312·5	2nd, 4th	293·2	289·0	17th, 22nd	300·2	..	..	153	..
743	El Obeid	13 11	30 14	585	..	1010·8	−0·3	310·8	314	4th	296·6	294	24th	303·7	+0·8	*304·3*	18	− 13
744	Khartoum	15 37	32 33	390	..	1008·8	+0·4	315·2	319	3rd	299·4	296	11th	307·3	+0·3	*307·5*	0	− 7
746	Aden	12 45	45 3	28·7	1002·3	1005·5	+0·7	308·1	309·7	14th, 16th	302·3	299·6	5th	305·2	+0·4	*304·9*	0	− 2
751	Bombay	18 54	72 49	11·3	1003·5	1004·7	−0·6	305·3	308·3	12th	300·2	297·2	30th	302·7	+1·1	*302·0*	274	− 195
752	Mysore	12 18	76 40	768	923·4	1007·3	−0·3	302·0	306·3	2nd	293·2	292·2	28th, 30th	297·6	−0·1	*296·6*	81	+ 7
752a	Kodaikanal	10 13	77 28	2343	769·3	..	−0·3	291·7	296·1	3rd	285·1	278·3	5th	288·4	+0·1	287·8	96	− 3
753	Madras	13 4	80 14	6·7	1004·4	1005·1	−0·6	311·6	315·5	3rd	301·5	296·9	20th	306·6	+1·6	304·8	45	− 3
754	Waltair	17 45	83 16	68·9	995·0	1002·7	+0·6	307·0	311·0	17th	301·0	298·5	26th, 27th	304·0	..	*303·3*	26	− 90
755	Port Blair	11 40	92 40	17·7	1005·0	1007·1	−0·3	302·6	305·6	1st	298·3	295·8	25th	300·4	−0·3	*299·7*	550	+ 61
756	Rangoon	16 46	95 48	5·5	1005·8	1006·4	−0·5	303·8	306·9	1st, 2nd	297·8	296·6	16th, 24th	300·8	+0·3	*299·7*	463	+ 16
757	Saigon	10 46	106 42	11·2	..	1007·8	+0·3	307·7	310·5	20th	296·7	295·5	21st	302·2	+1·2	..	205	− 87
758	Nhatrang	12 16	109 12	6·8	..	1005·6	−0·7	309·3	312·5	21st	298·5	297·1	9th	303·9	+2·2	..	22	− 44
759	Bolinao	16 24	119 53	9·7	..	1007·4	..	306·6	309·0	2nd, 3rd	298·1	296·9	14th, 15th	302·4	..	301·4	225	− 171
760	Vigan	17 34	120 23	14·7	..	1007·6	..	306·2	308·8	1st	297·9	296·3	19th	302·1	..	301·7	162	− 186
761	Manila	14 35	120 59	14·2	..	1008·1	−0·1	307·6	310·6	4th	297·7	296·7	2nd	302·7	+0·8	301·7	96	− 138
762	Ormoc	11 0	124 36	5·6	..	1008·7	..	304·8	305·9	2nd	295·8	293·8	24th	300·3	..	300·4	207	+ 30
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1009·4	..	305·1	306·8	21st	297·9	297·0	sev. dates	301·5	..	..	62	..

Between Latitude 10° N. and 0°.

JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·7	308·3	2nd	298·0	295·5	7th	301·9	+0·4	*300·5*	155	− 93
819	Culebra	9 10	79 40	123·1	..	1010·8	+0·4	304·1	305·8	21st	295·8	294·1	16th	299·8	+0·1	..	192	− 33
822	Caracas	10 31	66 56	7	899·9	..	..	298·0	300·4	..	289·8	288·0	..	293·9	..	..	111	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	987·1	..	..	302·4	304·1	13th, 22nd	294·4	293·6	16, 22, 24	298·4	..	..	311	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·7	1013·9	+0·9	302·3	303·7	20th	297·0	295·2	27th	299·7	+0·3	..	209	− 92
826	Paramaribo	5 49	55 9	4	1013·7	1014·1	..	302·8	305·0	20th	295·9	293·0	29th	299·4	..	*298·7*	325	..
826a	Cayenne	4 56	52 21	6	..	..	..	302·8	304·6	24th	295·6	294·4	18th	299·2	−0·1	..	389	− 79
833	Conakry	9 31	13 43	16	1011·8	1013·6	+0·7	304·3	308·4	..	295·6	293·1	..	300·0	+0·3	..	345	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	304·9	306·8	3rd	295·0	292·6	9th	299·9	−0·2	..	545	+ 24
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·3	305·2	3rd, 7th	295·2	293·6	3rd, 5th	298·8	−0·2	..	212	− 8
836	Acera	5 35	W 0 6	18	..	..	..	302·8	306·3	4th	293·0	288·6	11, 15, 18	297·9	−0·8	..	92	− 75
837	Lagos	6 22	E 3 28	7·6	1012·7	1013·6	+0·9	302·4	304·9	..	296·4	293·6	..	299·4	+0·7	..	298	− 186
838	Zungeru	9 48	6 10	130	..	1012·5	−0·2	305·5	308·0	8th	295·3	292·4	20th	300·4	+0·3	..	159	− 3
838a	Libreville	0 23	9 26	35	..	..	..	303·7	305·4	27th	295·0	294·0	14th, 21st	299·4	+1·2	..	32	+ 23
839	Yola	9 12	12 30	259	..	..	..	305·6	310·2	10th	296·1	293·6	17th	300·9	+0·9	..	157	+ 4
841	Kafia Kingi	9 22	24 18	596	946·9	1014·0	..	..	..	..	..	..	..	..	..	..	156	..
842	Wau	7 42	28 3	440	..	..	0·0	..	..	..	294·3	293	9th	..	..	..	148	− 29
843	Entebbe	0 5	32 29	1177	884·4	..	+0·4	298·2	299·7	7th	290·1	289·7	sev. dates	294·2	+0·3	..	249	+ 131
844	Nandi	0 2	35 5	2010	..	..	..	296·6	298·6	1st	284·7	283·6	30th	290·7	..	..	251	..
845	Harrar	9 42	42 30	1856	..	..	..	298·6	300	sev. dates	287·3	286	22nd, 27th	293·0	..	..	125	..
851	Cothin	10 0	76 21	2·7	1009·1	1009·3	−0·1	302·4	305·6	2nd	296·6	294·8	20th	299·5	−0·1	*298·8*	1216	+ 502
852	Colombo Observatory	6 54	79 53	7·3	1007·9	1009·7	+0·6	303·3	305·1	3rd	297·2	294·4	5th	300·3	−0·4	*299·6*	483	+ 129
853	Candy	7 18	80 40	504·5	..	..	..	300·6	303·4	2nd	294·7	292·4	26th	297·7	−0·1	..	244	+ 3
855	Medan	3 35	98 41	23·5	..	1008·5	−1·2	..	..	..	..	..	..	..	..	..	97	− 32
856	Kota Radja	5 32	95 20	7·1	..	1009·8	..	..	..	..	..	..	..	..	..	..	126	+ 28
857	Penang	5 34	100 20	5·0	1006·6	1007·2	−1·7	305·5	306·3	3rd	297·3	295·2	15th	301·4	+0·5	..	217	+ 24
858	Singapore	1 17	103 51	2·2	1008·9	1009·1	−0·1	303·7	305·4	13th	297·4	296·3	24th	300·6	0·0	..	217	+ 41
860	Sandakan	5 49	118 12	..	..	..	..	304·7	305·8	2, 3, 8	297·1	296·3	19, 23, 28	300·9	+0·5	..	109	− 91
861	Tagbilaran	9 38	123 51	26·2	..	1008·4	..	306·8	308·6	9th	..	..	..	..	..	301·2	47	− 110
862	Surigao	9 48	125 29	6	..	1008·4	..	306·0	308·0	16th, 23rd	297·0	296·0	12th	301·5	..	301·0	21	− 93
863	Yap	9 42	138 8	31·9	..	1008·4	..	305·7	307·9	7th	297·7	296·0	8th	301·7	..	..	145	..
869	Uyelang	9 42	161 2	< 10	..	..	..	..	..	..	..	..	..	..	..	..	63	− 86

† Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	307·4	308·6	16th, 23rd	296·4	294·1	17th	301·9	+0·4	..	44	— 5
906																		
923	Manaos	3 8	59 59	32·4	1003·8	1007·5	—1·6	..	..	..	..	..	..	301·0	—0·4	..	74	+ 18
930	Fernando Noronha	3 51	W32 25	95	1002·4	1013·4	..	..	301·0	..	..	293·8	..	298·5	..	*298·5*	182	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	304·9	307·0	3rd	291·5	289·5	12th, 28th	298·2	+1·1	..	0	..
940	Loango	4 38	11 50	? 50	..	..	..	299·8	..	..	294·1	..	..	297·0	..	..	0	..
943	Daressalam	6 49	39 18	7·6	1015·3	1016·1	..	301·5	303·1	7th	293·0	289·6	27th	297·3	..	297·1	9	..
944	Nairobi	1 18	36 59	1660	..	..	..	296·2	300·5	13th	283·1	280·0	30th	289·6	..	..	136	+102
944*a*	Zanzibar	6 10	39 11	21·9	1015·8	1018·3	—0·2	301·3	302·7	5th	296·8	294·7	26th	299·1	+0·6	..	12	— 54
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·2	303·0	12th	293·1	290·2	12th	297·7	..	..	18	..
947	Seychelles	4 37	55 27	4·6	..	1011·5	—0·4	301·6	303·1	..	298·6	296·3	..	300·1	+1·1	*299·4*	181	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·3	—0·8	..	..	..	..	..	..	..	..	..	281	— 48
957	Batavia	6 11	106 50	8	1009·3	1010·2	+0·3	303·2	304·7	15th	296·6	295·4	20th	299·9	+0·4	299·5	75	— 25
958	Pontianak	0 1	109 20	2·6	..	1010·5	+1·3	..	..	..	..	..	..	..	..	..	409	+184
959	Passerocan	7 38	112 55	5·0	..	1010·2	—0·3	304·2	306·0	..	294·7	292·5	..	299·5	..	*300·0*	0	— 68
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1011·9	..	..	..	..	..	..	..	..	..	..	0	— 10
962	Ambon	3 42	128 10	4·2	..	1010·8	+0·8	..	..	..	..	..	..	..	..	..	708	+ 1
965	Daru	9 4	143 13	8	..	1010·1	—1·6	303·6	..	..	296·5	..	..	300·1	+1·2	..	333	+228
966	Port Moresby	9 29	147 9	39	..	1010·9	+0·2	303·1	..	..	297·5	..	..	300·3	+0·9	..	4	— 21
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	185	— 155
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·3	1009·6	—0·4	302·8	304·7	18th, 19th	297·7	296·3	13, 27, 28	300·3	+0·4	..	199	+ 45
970	Ocean Island	0 52	169 36	27·8	..	1008·5	0·0	304·6	305·2	9th	297·5	296·3	12th, 22nd	301·1	+0·2	..	118	— 2
		S.	E.															

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1011·2	—0·2	..	303·7	..	..	292·9	..	299·0	+0·9	..	131	— 19
1003	Alofi, Niue Island	19 2	169 55	36·6	1013·6	1017·9	+0·6	300·0	303·6	1st	291·2	288·0	27th	295·6	—0·5	..	78	+ 5
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1012·4	..	302·3	304·0	..	296·6	293·6	..	299·5	..	..	158	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1014·3	1015·5	..	294·8	298·4	2nd	286·0	282·4	15th	290·4	—0·3	..	0	..
1022	Arequipa	16 22	71 33	2451	762·5	..	+1·1	293·3	297·4	6th	282·1	280·2	30th	287·7	+1·6	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	290	+2	..	2	0
1025																		
1026	Cuyaba	15 36	56 0	235	..	1021·2	—0·5	302·7	304·5	15th	294·5	292·7	26th	298·6	..	..	3	..
1035	St. Helena	15 57	W 5 40	632	948·8	1022·2	+1·2	291·6	295·2	24th	286·5	285·3	27th	289·1	+0·2	*288·9*	155	+ 62
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	863·5	..	..	294·0	297·6	..	277·9	271·1	..	286·0	..	..	1	0
1043	Salisbury, Rhodesia	17 49	31 3	1487	861·4	..	..	294·8	297·9	..	277·6	272·4	..	286·2	..	..	0	— 1
1044	Zomba	15 23	35 18	899	912·3	1014·3	+2·7	297·4	300·1	8th	284·5	280·2	30th	290·9	+1·0	..	14	+ 3
1045	Tamatave	18 9	49 26	4	1019·8	1020·2	+0·7	297·8	299·5	..	294·1	291·9	..	296·0	..	..	670	+402
1046	Tananarivo	18 55	47 32	1400	868·3	..	+0·6	294·0	297·3	3rd, 9th	282·9	278·2	17th, 26th	288·5	+0·2	287·6	5	— 2
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1011·8	—0·2	302·1	303·3	3rd, 8th	298·0	296·9	sev. dates	300·1	+0·8	..	240	+ 3
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·6	1009·2	+0·1	303·8	304·8	..	297·1	295·1	..	300·4	+0·6	..	20	—129
1058																		
1061	Derby	17 18	123 40	16·2	..	1016·2	+2·0	302·8	305·1	18th	286·3	282·6	28th	294·6	—1·2	..	0	— 16
1062	Hall's Creek	18 13	127 46	373·4	..	1017·6	+1·4	300·3	304·1	17th	279·4	275·2	27th	289·8	—1·9	..	0	— 2
1063	Port Darwin	12 28	130 51	29·6	..	1012·4	+0·5	304·6	306·9	22nd, 29th	294·3	291·7	6th	299·4	+0·4	*298·2*	2	— 8
1064	Daly Waters	16 16	133 23	213	..	1014·2	..	302·1	306·3	30th	287·3	280·8	13th	294·7	+0·5	..	0	— 16
1065	Mein	13 13	142 57	121·9	..	1011·0	..	302·0	304·1	23rd	294·4	290·5	4th	298·2	..	..	22	+ 16
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	301·3	304·1	26th	291·0	283·6	3rd	296·2	..	..	40	+ 35
1067	Samarai	10 37	150 40	6·4	..	1013·2	+0·6	301·4	..	..	297·1	..	..	299·3	+0·6	..	185	—188
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1017·1	+1·8	298·2	300·8	21st	293·1	290·2	12th	295·7	—1·1	..	118	— 22
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JUNE—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·7	300·2	3rd, 9th	291·2	286·1	19th	294·4	..	..	78	— 27
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1015·8	1019·3	..	294·0	296·3	5th	288·2	285·5	21st, 22nd	291·1	..	..	133	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1015·1	1018·1	..	288·2	290·0	sev. dates	283·5	279·3	30th	285·9	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1012·6	1013·2	—1·5	295·4	296·2	24th	284·4	284·1	2, 22, 27	289·9	0·0	..	0	0
1125	Goyá	29 9	59 15	64	1012·4	1020·2	..	292·9	300·2	27th	284·7	276·0	30th	288·8	+1·2	*287·9*	78	+ 43
1126	Porto Alegre	30 2	51 13	26	1018·2	1019·9	..	293·3	300·6	28th	282·2	276·2	17th, 18th	287·8	..	*287·2*	112	..
1127	Curityba	25 26	49 16	908	917·7	1020·3	—1·9	292·6	297·2	10th	282·3	276·9	28th	287·5	+2·1	287·0	197	+ 99
1128	Rio de Janeiro	22 54	W43 10	64	..	1019·8	+0·4	297·2	303·9	15th	291·4	288·9	2nd	294·3	+0·5	..	46	— 1
1139	Windhuk	22 34	E17 5	1665·3	838·6	..	..	293·0	295·0	30th	279·2	271·0	17th	286·1	..	285·9	4	..
1140																		
1141	Johannesburg	26 11	28 4	1874	828·2	..	+1·2	288·7	293·9	27th	277·3	272·9	19th	283·0	—0·2	*282·5*	1	— 1
1142	Kimberley	28 43	28 46	?1232	889·2	..	+0·8	..	..	..	..	..	..	..	..	..	..	..
1142*a*	Pretoria	25 45	28 11	1576	875·1	..	+1·6	293·4	297·9	26th	273·9	269·7	25th	283·7	—0·3	..	0	— 2
1143	Durban	29 51	31 0	79·9	1014·0	1023·5	+0·2	295·8	301·6	29th	285·1	282·2	11th	290·4	—1·3	..	10	— 20
1144	Lorenzo Marques	25 58	32 36	59	..	1023·1	+0·3	297·4	303·4	7th	285·7	281·8	23rd	291·5	—0·5	291·1	8	— 5
1147	Mauritius	20 6	57 33	54·3	1011·7	1018·1	—0·8	297·2	298·4	1st, 16th	289·8	285·2	27th	293·5	+0·1	293·3	23	— 42
1148																		
1159	Onslow	21 43	114 57	4·3	..	1017·5	+2·0	299·8	303·0	20th, 22nd	282·3	279·8	22nd, 27th	291·1	—0·6	..	0	— 46
1160	Peak Hill	25 38	118 47	588·3	..	1019·8	+2·0	293·6	298·3	5th	281·2	277·4	26th	287·4	+0·9	..	0	— 37
1161	Nullagine	21 53	120 5	585·6	..	1019·5	+2·3	296·2	301·3	11th	278·7	274·7	28th	287·5	—1·9	..	0	— 31
1162	Laverton	28 40	122 23	466·3	..	1023·1	+2·9	291·7	297·6	5th	278·0	274·1	13th	284·8	+0·1	..	0	— 28
1163	Alice Springs	23 38	133 37	587·0	..	1022·3	+2·9	290·4	297·2	12th	276·1	273·0	5, 7, 19	283·3	—2·1	*283·1*	11	— 4
1164	William Creek	28 55	136 21	76·2	..	1021·8	..	290·4	295·2	12th	278·7	274·1	17th	284·6	—0·6	..	25	+ 8
1165	Boulia	22 55	139 38	145·7	..	1019·1	+0·7	294·1	299·7	5th, 6th	281·1	277·4	12, 25, 26	287·6	—0·1	..	36	+ 26
1166	Mitchell	26 32	147 52	337·1	..	1020·2	..	291·9	298·0	5th, 6th	279·1	270·9	1st	285·5	..	..	209	+173
1167	Rockhampton	23 24	150 30	11·3	..	1019·3	+1·4	297·3	300·8	3rd, 14th	287·5	279·1	2nd, 3rd	292·4	+2·3	..	213	+168
1168	Brisbane	27 28	153 2	41·7	..	1021·4	+3·6	294·8	298·4	14th	285·9	281·6	2nd	290·4	+1·9	..	185	+120
1169	Noumea	22 16	166 27	9	1016·5	1017·5	..	298·4	301·2	1st, 19th	291·6	289·8	23rd	295·0	+0·6	..	35	— 68
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	29	—123
		S.	E.															

Between Latitude 30° S. and 40° S.

JUNE—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1219																		
1220	Juan Fernandez	33 37	78 50	10	1017·2	1018·4	+1·8	289·4	292·5	4th	284·6	281·5	26th	287·0	—0·1	..	146	— 63
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1014·0	1018·8	+2·4	288·9	294·7	1st	282·3	276·9	29th	285·6	—1·1	..	127	— 22
1222	Santiago	33 27	70 42	520	958·0	1019·9	+1·6	287·2	295·0	2nd	276·8	270·8	29th	282·0	—1·5	280·9	125	+ 44
1223	Cordoba	31 25	64 12	439	966·9	1019·2	—0·7	290·7	296·4	12th	277·7	268·5	30th	284·2	+0·7	283·6	11	+ 3
1224	Buenos Ayres	34 16	64 11	25·2	1014·9	1018·0	—0·5	287·8	294·7	24th	278·7	270·8	16th	283·2	—0·4	283·1	48	— 23
1225	Rio Grande	32 2	52 6	2·3	1017·4	1017·7	..	289·8	298·1	27th	283·7	277·3	30th	286·8	..	..	120	..
1226	Montevideo	34 52	W56 12	29·3	..	1017·6	+0·1	..	294·6	24th	..	278·5	30th	..	—0·4	284·6	75	+ 18
1239	Cape Town	33 56	E18 29	9	1020·3	1021·4	+1·1	292·7	303·2	2nd	284·9	277·3	21st	288·8	+2·6	..	60	— 58
1240	Danger Point	34 37	19 18	20	..	..	..	290·4	296·9	30th	285·1	280·8	24th	287·8	..	..	61	..
1241	Heidelberg	34 5	20 58	1541	856·4	..	+2·8	291·1	295·6	28th	270·2	261·7	26th	280·6	—0·8	..	1	— 36
1242	East London	33 2	27 55	10·1	1019·8	1021·0	+0·7	294·7	303·0	29th	283·6	279·7	11th	289·1	0·0	..	42	+ 14
1259	Perth (Observatory)	31 57	115 51	60·0	..	1022·3	+4·4	291·2	296·8	2nd	282·9	278·7	26th	287·1	+0·6	..	103	— 64
1260	Katanning	33 42	117 35	309·7	..	1022·2	+5·2	289·1	294·7	2nd	279·4	273·2	26th	284·2	+0·8	..	35	— 35
1261	Coolgardie	30 57	121 10	423·3	..	1023·1	+4·3	290·1	297·0	4th	279·2	274·7	25th	284·7	+0·4	..	7	— 24
1262	Eucla	31 45	128 58	4·6	..	1022·3	+3·8	291·4	299·2	4th	280·3	276·9	21st, 22nd	285·9	—0·4	..	31	+ 2
1263	Streaky Bay	32 48	134 13	13·1	..	1022·3	+3·1	289·6	292·3	3rd	281·5	275·2	20th	285·6	+0·2	..	89	+ 15
1264	Adelaide	34 56	138 35	42·7	..	1022·5	+3·3	288·9	292·4	5th	281·4	276·4	19th	285·2	+0·3	..	97	+ 18
1265	Melbourne	37 49	144 57	35·1	..	1023·4	+4·9	287·1	291·7	5th	279·8	273·1	22nd	283·4	+0·2	..	32	— 22
1266	Bourke	30 13	145 58	110·1	..	1023·0	+3·2	289·4	295·2	6th	279·4	273·6	20th	284·4	—0·7	..	72	+ 44
1267	Sydney	33 51	151 13	44·5	..	1023·0	+5·0	289·4	291·2	1st	282·1	279·1	20th	285·8	+0·4	..	68	+ 64
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	128	— 80
1271	Auckland	36 50	174 50	38·1	..	..	..	287·2	290·8	2nd	281·4	275·5	25th	284·3	—0·8	..	139	+ 19
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

JUNE—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	170 42	58	..	..	..	283·9	287·4	twice	279·1	274·1	9th	281·5	+0·2	..	152	+ 92
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	284·2	286·7	4th	278·4	273·4	29th	281·3	..	..	201	..
1322	Punta Galera	40 1	73 44	40	1011·2	1016·1	..	286·3	290·4	1st	279·3	274·8	30th	282·8	..	..	258	..
1323	Bahia Blanca	38 45	W62 12	20	1013·8	1016·2	—1·2	287·5	293·2	3rd	277·4	270·4	29th	282·4	+1·1	*281·8*	33	+ 4
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1021·3	+6·9	285·3	290·3	5th	278·7	274·3	23rd	282·0	+0·8	..	71	+ 15
1366	Launceston	41 27	147 10	9·4	..	1021·7	..	286·1	291·9	3rd	276·5	270·7	20th	281·3	+0·3	..	66	— 22
1369																		
1370	Dunedin	45 52	170 31	90	..	1008·7	—3·5	282·1	285·8	3rd	275·9	273·6	29th	279·0	—0·4	..	166	+ 81
1371	Christchurch	43 32	172 38	7·6	..	1010·9	—3·6	283·3	292·2	3rd	274·1	268·9	25th	278·7	—1·0	..	62	— 10
1372	Wellington	41 16	174 46	2·4	..	1012·5	—1·7	285·1	287·4	6th	279·6	275·2	25th	282·3	—0·3	..	161	+ 32
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JUNE—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·5	1000·2	..	..	..	..	273·9	270·0	26th	278·5	..	..	255	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·2	1001·7	+1·6	277·2	281·8	5th	272·4	267·5	15th	274·8	−0·7	275·0	19	− 10
1423	Punta Dungeness	52 24	68 25	5	994·8	995·4	..	279·8	284·0	27th	274·8	273·0	15, 26, 27	277·3	..	..	30	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1001·6	+0·7	277·6	280·8	22nd	273·5	268·0	28th	275·6	−0·8	275·8	..	..
1426																		
1429	South Georgia (Grytviken)	54 14 S.	36 33 W.	4	996·7	997·2	−1·1	274·4	285·0	23rd	268·2	263·0	18th	271·3	−0·1	*271·4*	34	− 61
1430																		

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	6·9	997·2	998·1	+3·2	265·6	275·3	3rd	256·4	241·0	14th	261·0	−1·8	261·5	12	−17
1528																		

JUNE—ZONE 16. Between Latitude 70° S. and 80° S.

1669																		
1670	CapeEvans(McMurdo Sound)	77 38 S.	166 24 E.	18 metres.	.. mb.	978·1 mb.	−1·2 mb.	.. a.	266·6 a.	..	.. a.	234·4 a.	..	.. a.	+1·5 a.	250·1 a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE by S	? 1·8	E 3	E 2	Calm 0	SW 4	NE 2	NE 4	SE 2	NE 4	? 3	Calm	0·3
2	Calm	? 0·8	ESE 1	Calm 0	NE 2	W 4	NE 2	NE 2	Calm 0	NE 4	? 3	NW	0·6
3	SE by S	1·2	E 3	NE 2	Calm 0	SW 2	NE 3	NE 2	SE 2	NE 3	? 3	S	0·4
4	SSE	3·6	NE 3	E 3	Calm 0	Calm 0	NE 4	E 2	SE 4	NE 2	? 3	E	0·9
5	SSE	8·0	ESE 4	E 4	NE 3	Calm 0	E 5	NE 3	SE 3	E 2	? 3	NE	0·6
6	S by E	8·0	SE 4	Calm 0	SW 2	W 2	NE 2	NE 2	SE 4	NE 4	? 4	Calm	0·5
7	SE by S	6·5	SSE 2	Calm 0	W 3	SW 2	NE 3	NE 2	SE 5	NE 5	? 5	E	3·0
8	SE	..	ESE 3	E 3	Calm 0	Calm 0	NE 3	NE 3	SE 4	NE 4	? 3	E	3·8
9	ESE	? 3·7	SE 3	E 2	W 2	W 2	NE 4	NE 2	SE 3	Calm 0	? 4	Calm	0·9
10	ESE	6·1	E 2	E 2	W 2	SW 2	NE 3	S 1	SE 4	NE 3	? 5	SE	4·3
11	SE by S	8·1	E 2	NE 1	W 2	SW 2	E 3	NE 1	SE 4	NE 2	? 3	E	3·8
12	SE by S	9·0	NNW 2	Calm 0	Calm 0	NE 2	NE 1	N 1	SE 3	NE 3	NE 4	NE	1·1
13	SE by S	9·4	SE 3	Calm 0	N 2	NE 2	NE 3	Calm 0	SE 2	NE 4	NE 5	N	1·4
14	ESE	9·1	SE 3	SE 1	N 2	W 2	NE 4	NE 2	SE 2	NE 3	NE 4	Calm	1·1
15	SE	9·8	E 2	E 2	N 3	W 2	NE 2	NE 3	SE 2	NE 6	? 5	E	2·6
16	ESE	10·3	E 2	Calm 0	N 2	Calm 0	NE 2	NW 2	SE 4	NE 2	? 3	E	2·1
17	SE by E	11·2	SE 1	SE 2	Calm 0	Calm 0	NE 4	NE 2	SE 4	NE 3	NE 4	NE	2·4
18	SE	9·8	SE 3	SE 4	Calm 0	NE 2	E 3	E 2	SE 2	NE 5	NE 5	E	1·3
19	SE by E	7·7	SE 4	SE 2	Calm 0	Calm 0	E 6	E 4	SE 2	NE 4	NE 4	E	2·3
20	SE by E	4·7	SE 1	NE 3	N 2	N 2	E 6	E 6	SE 2	NE 3	NE 4	NE	1·9
21	ESE	5·2	E 4	E 4	NE 2	Calm 0	E 8	E 5	ESE 4	NE 3	NE 4	N	0·6
22	ESE	3·3	ENE 2	E 4	Calm 0	Calm 0	E 5	E 4	ESE 2	NE 2	NE 3	E	0·5
23	ESE	2·7	SE 3	E 4	Calm 0	SW 4	E 6	E 6	SE 2	NE 3	NE 4	E	1·1
24	SE by E	2·0	SE 4	SE 3	NE 2	N 2	NE 5	E 4	SE 2	NE 2	NE 4	SE	3·0
25	SE by E	1·7	SE 3	SE 1	N 6	Calm 0	E 4	E 5	ESE 3	E 2	NW 3	SE	8·9
26	SE by S	3·5	NE 2	SE 4	N 3	N 2	E 6	E 6	ESE 4	NW 4	NW 3	SE	1·4
27	SSE	4·4	SE 4	SE 3	N 2	N 2	E 6	NE 8	S 2	E 4	E 3	E	2·1
28	SSE	7·7	SE 4	SE 2	N 2	N 3	E 6	E 8	SE 3	E 2	E 3	NE	1·7
29	SE by S	9·8	E 3	E 3	Calm 0	Calm 0	E 6	E 6	ESE 3	E 2	E 2	Calm	0·6
30	SE by S	9·2	SE 2	E 2	Calm 0	SW 2	E 6	E 6	ESE 3	E 2	E 2	Calm	0·0
Mean for month	..	6·1	..	2·7	..	2·1	..	1·5	..	1·6	4·1	3·5	2·9	3·1	3·6	..	1·8
Deviation from Normal	..	−0·6	..	..	..	..	..	..	+0·7	..	..	..	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1912.

**The Sea round Novaja Zemlja and Spitsbergen.*—"At first there was much ice in the White Sea and at Cape Gorodetski; later the mouth became ice-free; on the 12th Archangel was open, three weeks late. In the *Barents Sea* the ice boundary still lay far more W. than usual, in long. 40° E. The ice edge passed north of Kolguev, in lat. 76°, to *Kara Strait*, which was closely packed. The ice in Yugor Strait was unbroken, but the west coast of Vaigats Island was free."

**Spitsbergen.*—"Round South Cape was close ice; along the west coast a belt 30 miles broad. The Storfiord was ice-filled."

**Greenland Sea.*—"Between lat. 75° and 79° the edge lay between long. 9° E. and 0°; further south it extended to Iceland. At Angmagsalik the winter ice disappeared, this being uncommonly early."

North Atlantic and Labrador.—"On the *Newfoundland Banks* there was a decrease from the excessive ice conditions of May; few icebergs reached lat. 37° 45′ N., long. 41° W., and later the limit was lat. 42° 30′ N. There was still close ice along the coast of Labrador and in *Belle Isle Strait*."

**Davis Strait.*—"At Cape Farewell the ice extended 60 miles off shore; Julianehaab Bay was packed throughout, but further north there was not much ice until a large mass rounded Cape Farewell and blocked the coast until the 22nd. At Frederikshaab the 'Storis' appeared on the 6th and remained. N. of Fiskernaes the sea was open, with icebergs to Upernivik. All stations in N. Greenland were ice-free."

**Behring Sea.*—"On the 10th scattered ice was observed between St. Lawrence Island and Cape Romanoff. Towards Nome the sea was ice-free."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JULY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1015·6	1016·4	..	..	..	..	..	..	..	277·4	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1012·4	1014·7	+3·8	283·0	287·0	17th	274·1	271·4	8th, 11th	277·6	−0·4	..	19	− 6
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1008·1	1009·5	−4·2	..	282·9	22nd	275·3	272·1	1st	277·1	..	..	40	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1011·6	1012·4	+0·9	..	293·2	13th	278·8	274·9	6th	..	−1·8	*281·2*	197	+146
142	Mehavn	71 1	27 47	6·4	1011·6	1012·4	..	..	293·7	13th	279·3	276·3	2nd	..	..	*281·5*	61	+ 13
143	Vardö	70 22	31 8	10·0	1011·5	1012·7	+0·7	..	292·2	13th	279·0	276·0	1st	..	·0·0	*281·6*	98	+ 51
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1007·4	1009·2	−2·8	..	283·1	5th	274·3	273·0	..	276·6	−3·0	*276·3*	10	− 22
148		N.	E.															

Between Latitude 70° N. and 60° N. JULY—ZONE 2.

203	Nome	64 30 N.	165 24 W.	6·7	1010·5	1011·3	..	288·2	295·2	..	282·2	276·3	..	285·2	..	..	64	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	293·3	301·9	..	281·9	275·2	..	287·6	..	..	40	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	288·9	298·0	..	280·6	277·4	..	284·8	..	..	130	..
208	Eagle	64 46	141 12	248	980·8	1009·9	..	293·8	301·9	..	277·4	271·9	..	285·6	..	..	64	..
209	Dawson	64 4	139 20	321	973·9	1011·7	+0·2	293·9	300·8	1st	280·2	276·3	6, 16, 31	287·1	−1·3	..	63	..
210	Carcross	60 11	134 34	662	..	..	..	291·4	296·9	19th, 21st	280·2	275·2	16th	285·8	..	..	37	..
211																		
212	Fort Simpson	61 52	120 43	129	999·4	1014·9	..	293·8	302·4	2nd	280·2	274·1	13th	287·0	..	*287·8*	14	..
213	Hay River	60 51	115 20	161	995·2	1014·5	..	290·8	299·2	2nd, 3rd	280·3	276·6	10th	285·6	..	..	15	..
214	Fort Resolution	61 0	113 0	240	..	..	..	290·6	298·0	..	280·6	273·3	..	285·6	..	..	7	..
225																		
226	Jacobshavn	69 13	51 22	12·6	1013·0	1014·5	+4·0	283·4	289·7	17th	277·5	275·0	11th	280·5	−0·6	..	61	+ 33
228	Godthaab	64 11	51 44	9	1011·1	1012·2	+2·3	..	..	..	277·0	273·2	6th	279·1	−0·6	..	60	0
229	Angmagsalik	65 37	37 34	31·7	1010·7	1014·6	..	287·5	295·8	25th	276·2	272·4	4th	281·9	..	..	36	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1011·4	1012·7	+2·5	286·3	290·5	2nd	280·7	276·1	31st	283·5	+0·7	..	33	− 1
232	Vestmanno	63 26	20 15	7·7	1011·4	1012·3	+2·1	287·5	291·2	2nd	281·6	277·4	28th	284 6	+0·3	..	78	0
233	Grimsey (Akureyri)	66 33	17 58	6·8	1012·0	1012·8	+2·2	285·6	291·7	3rd	278·6	274·8	31st	282·1	+2·0	..	2	− 28
234	Berufjord	64 40	14 19	18	1010·4	1013·6	+2·3	286·7	292·4	5th	279·9	276·0	31st	283·3	+1·2	..	78	+ 17
235	Thorshavn	62 3	6 45	25·7	1011·8	1014·9	+4·3	286·2	288·0	1st, 18th	281·6	277·7	19th	283·9	+0·1	..	48	− 44
236	Lerwick	60 9	W1 8	18·0	1012·4	1014·6	+3·7	286·9	289·7	26th	282·9	280·8	4th, 17th	284·9	+0·4	..	60	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·6	1014·9	+3·9	..	299·3	12th	285·9	282·7	8th	..	+1·6	*289·0*	132	− 26
239	Christiansund	63 7	7 45	17·8	1013·1	1015·3	+4·4	..	296·4	13th	285·2	282·9	17th	..	+1·4	*287·5*	59	− 19
240	Trondhjem	63 26	10 25	39·5	1010·8	1015·6	+4·9	..	305·6	13th	284·5	280·6	10th	..	+2·2	*289·2*	17	− 50
241	Bodö	67 17	14 24	20·5	1013·1	1015·5	+4·9	..	294·8	13th	282·6	280·0	27th	..	−0·8	*284·8*	48	− 23
242	Haparanda	65 50	24 9	9·2	1013·9	1015·0	+5·0	292·2	296·0	24th, 25th	283·2	277·5	2nd	287·7	−0·3	..	5	− 41
242*a*	Helsingfors	60 10	24 57	11·7	..	1016·6	+6·2	..	299	..	..	282	..	291·5	+1·4	*291·0*	8	− 52
	Kuopio	62 54	27 40	99·7	..	1016·7	..	..	302	..	..	279	..	290·4	−0·2	*289·8*	8	..
243																		
244	Kola	68 53	33 1	6·7	1013·0	1013·8	+3·5	288·4	300·5	13th	278·6	273·9	28th	283·5	−2·3	..	40	+ 5
245	Petrozavodsk	61 47	34 23	38·9	..	1014·8	+4·2	..	302	..	..	275	..	289·6	−0·5	*289·1*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1013·8	+3·6	..	297	..	..	274	..	285·4	−3·8	*284·9*	40	− 17
247	Velsk	61 5	42 7	? 87	1002·7	1013·1	..	..	302·4	17th	282·1	275·2	2nd	288·2	..	*287·7*	50	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1009·9	−0·2	..	296	..	..	275	..	283·6	−4·6	*283·1*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	994·2	1009·0	..	..	297·5	17th, 21st	280·1	273·2	6th	285·6	..	*285·1*	59	..
249																		
250	Berezov	63 56	65 4	39·7	1002·8	1007·5	−1·5	..	296·0	10th	281·9	273·4	31st	286·3	−3·3	*285·8*	61	− 1
251	Obdorsk	66 31	66 35	23·7	1004·6	1007·4	−0·9	..	294·1	10th	279·7	276·4	14th	283·7	−3·6	*283·2*	73	..
252	Sourgout	61 15	73 24	? 40	1001·6	1006·3	−1·4	..	302·7	22nd	284·9	275·9	18th	289·8	0·0	*289·2*	85	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1001·6	1004·0	..	..	293·9	12th	280·3	276·0	24th	284·0	..	*283·7*	85	..
261																		
262	Olekminsk	60 22	120 26	? 202	989·1	1012·6	−0·3	..	304·1	29th	284·2	276·6	14th	292·5	+1·0	*292·1*	9	..
263	Iakoutsk	62 1	129 43	? 108	993·8	1006·5	+1·3	..	302·5	31st	282·4	276·6	27th	290·7	−1·8	*290·3*	11	− 39
264	Verkhoiansk	67 33	133 24	? 100	989·8	1001·7	−2·1	..	298·4	20th	280·4	273·3	25th, 28th	286·2	−2·7	*285·9*	71	+ 48
	Oust-Malskoe	60 25	134 29	? 100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	285·5	293·0	..	280·3	277·4	..	282·9	..	..	94	..
309	Sitka	57 4	135 20	27	1016·4	1019·7	+5·3	289·6	299·1	..	282·1	279·1	..	285·9	−3·2	..	98	+ 8
310	Prince Rupert	54 18	130 18	52	..	1019·1	..	291·1	299·7	24th	283·3	280·8	13th, 16th	287·2	..	..	87	..
311	Barkerville	53 2	121 35	1274	..	1017·3	..	290·7	297·4	31st	278·1	274·7	7th	284·4	−1·4	*284·4*	87	+ 10
312	Kamloops	50 41	120 29	379	..	1013·7	−0·5	298·5	305·2	19th	285·5	281·9	1st	292·0	−1·9	*291·9*	89	+ 57
313	Calgary	51 2	114 2	1033	..	1014·7	+3·2	292·4	299·1	30th	280·6	273·6	14th	286·5	−2·4	*286·9*	134	+67
314	Fort Chipewyan	58 42	111 10	218	987·3	1013·0	..	294·2	299·1	11th	282·3	275·8	13th	288·3	..	*289·0*	15	..
315	Prince Albert	53 10	106 0	436	..	1013·5	+3·0	293·2	299·2	30th	282·6	277·7	14th	287·9	−1·8	*288·3*	135	+73
316	Qu'Appelle	50 30	103 47	645	..	1013·7	+0·9	293·5	300·8	1st	283·1	277·4	15th	288·3	−2·4	*288·5*	112	−38
317	Minnedosa	50 15	99 50	518	..	1014·0	..	295·7	306·3	1st	283·7	274·9	15th	289·7	−0·9	*289·4*	100	+33
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318*a*	York Factory	57 0	92 28	11	1012·8	1014·1	+3·3	..	297·4	13th	277·6	273·0	10th	282·1	−4·4	..	..	..
319	Fort Hope	51 32	87 48	..	982·7	..	..	295·4	305·8	3rd, 6th	283·9	276·3	15th, 30th	289·7	..	..	159	..
320	Moose Factory	51 16	80 56	9	1012·7	1013·8	..	296·7	308·6	7th	283·2	274·1	1st	290·0	..	..	61	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1012·6	1013·1	+4·2	284·5	296·8	..	276·9	271·9	..	280·7	−3·2	..	113	..
325	Davis Inlet	55 50	60 50	..	1004·0	..	..	288·3	295·2	7th, 15th	278·6	271·9	5th	283·5	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	292·4	24th, 30th	..	279·7	1st, 3rd	285·9	+0·2	..	80	− 9
327	Belle Isle	51 55	55 20	133	998·6	1015·2	..	279·3	284·1	21st	273·3	268·0	9th	276·3	..	..	70	..
334	Valencia	51 56	10 15	13·7	1012·9	1014·4	−1·1	290·2	296·9	15th	284·5	280·2	14th	287·3	−0·7	287·3	76	−22
335	Aberdeen	57 10	2 6	27·4	1011·4	1014·6	+2·0	288·7	294·1	14th	283·4	280·8	5, 9, 31	286·1	−0·9	285·9	45	−29
336	Greenwich	51 28	W 0 0	48·5	1008·1	1013·6	−1·8	296·8	305·2	12th	285·4	281·9	19th	291·1	+0·5	290·6	32	−29
337	Uccle	50 48	E 4 22	100	1002·4	1011·8	−4·1	297·1	306·0	13th	286·6	281·9	20th	291·9	+1·4	*291·6*	69	− 9
338	De Bilt	52 6	5 11	3·0	1014·0	1014·4	−0·4	297·1	304·5	14th	286·4	280·7	3rd	291·8	+1	291·4	42	−35
338*a*	Hamburg	53 33	9 59	26·0	1012·6	1015·7	+2·0	296·3	302·0	12th, 13th	288·4	284·4	5th	292·4	+0·9	292·3	46	−45
339	Copenhagen	55 41	12 36	5·0	1016·2	1016·8	+4·0	294·7	298·0	18th	288·2	284·7	1st	291·5	+1·9	..	40	−58
340	Potsdam	52 23	13 4	84·9	1005·2	1015·3	+0·6	299·0	305·2	28th	286·9	281·8	5th	293·0	+2·3	292·5	30	−51
340*a*	Upsala	59 51	17 38	24·0	1013·3	1016·2	+6·0	297·8	302·1	15th	284·5	277·5	4th	291·2	+2·3	291·6	19	−51
341	Warsaw	52 15	21 1	120	1000·8	1015·0	+1·6	..	303·0	29th	286·8	282·9	6th	292·6	−0·9	*292·1*	45	−29
342	Jurjev	58 23	26 43	74·5	1007·2	1016·2	+5·5	295·6	302·4	29th	284·9	279·7	7th	290·2	−0·7	*290·3*	43	−42
343	Petrograd	59 56	30 16	4·8	..	1016·0	+5·7	..	299	..	..	280	..	290·6	−0·4	*290·3*	8	−60
344	Kiev	50 27	30 30	182·9	..	1013·2	+1·3	..	301	..	..	281	..	290·6	−2·2	*290·0*	74	− 2
344*a*	Moscow	55 45	37 34	156	..	1013·2	+2·6	..	302	..	..	279	..	289·1	−3·2	*288·6*	56	−16
345	Saratov	51 32	46 3	59·9	..	1010·3	+1·4	..	308	..	..	284	..	293·4	−2·5	*292·8*	110	+67
346	Kazan	55 47	49 8	79·8	1001·4	1010·9	+1·3	..	303·9	19th, 20th	..	278·4	4th	290·4	−2·7	*290·0*	23	−37
347	Orenburg	51 45	55 6	114·1	..	1010·6	+0·8	..	308	..	..	281	..	293·9	−1·3	*293·3*	27	−17
348	Perm	58 1	56 15	163·0	..	1009·1	..	..	303	..	..	277	..	289·5	−2·6	*288·9*	42	−18
349	Ekaterinburg	56 50	60 38	288·9	..	1009·9	+1·2	..	305	..	..	276	..	289·5	−1·5	*288·9*	45	−28
350	Tobolsk	58 12	68 14	108·3	996·3	1009·1	..	..	304·9	9th	285·6	279·7	1st	290·9	−1·7	*290·3*	49	−25
351	Akmolinsk	51 12	71 23	? 347	969·6	1009·6	+1·4	..	307·8	7th	285·7	279·3	2nd	293·2	−1·0	*292·6*	24	−15
352	Omsk	54 58	73 23	87·9	998·0	1008·3	+0·7	..	307·2	27th	286·5	280·7	31st	293·0	+0·6	*292·4*	21	−37
353	Barnaoul	53 20	83 47	162·2	989·1	1008·0	+0·8	..	303·0	8th	286·2	278·3	30th	292·6	−0·6	*292·0*	63	+14
354	Tomsk	56 30	84 58	121·6	993·2	1007·5	+0·5	..	303·1	7th	285·3	278·9	31st	291·5	−0·8	*290·9*	100	+20
355	Minousinsk	53 43	91 41	? 255	978·3	1007·7	..	..	306·6	12th	286·8	280·8	31st	293·4	..	*292·8*	43	− 2
356	Eniseisk	58 27	92 11	84·4	997·2	1007·1	+0·1	..	304·3	8th	285·7	276·7	31st	292·6	−0·3	*292·1*	70	+11
357	Irkutsk	52 16	104 19	467·0	951·5	1005·0	−1·7	..	301·7	13th	286·1	281·8	26th	290·9	−0·7	*290·4*	167	+96
358	Kirensk	57 47	108 7	? 263	975·2	1005·3	..	..	308·5	19th	287·2	282·6	2nd, 26th	294·5	..	*294·0*	16	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	308·3	18th	283·9	276·7	15th	293·2	..	*292·7*	62	..
360*a*	Nertchinsk	51 59	116 35	484·3	948·3	1002·9	..	..	306·1	1st	287·3	283·0	28th	295·8	+0·5	*295·4*	39	..
361	Tygan Ourkan	54 5	124 46	? 370	964·3	1006·6	..	..	302·9	18th, 23rd	280·0	271·5	15th	291·4	..	*291·0*	45	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	303·1	6th	283·8	279·8	20th, 23rd	291·6	..	*291·2*	109	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1003·8	1006·3	−0·8	291·1	298·2	..	282·5	276·3	..	287·9	−2·2	*287·6*	72	+20
366	Okhotsk	59 21	143 17	6·0	1006·7	1007·4	−1·8	286·1	295·9	..	281·3	278·2	..	283·7	−2·7	*283·3*	62	..
368	Petropavlovsk	52 53	158 47	87·1	1000·3	1010·9	+1·9	284·5	294·7	..	279·8	278·4	..	282·2	−4·8	..	84	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JULY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	25·9	..	1016·9	+0·7	294·9	305·1	17th	284·3	280·5	8th	289·6	+0·6	289·3	29	+ 20
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·6	−1·0	297·9	308·6	17th	287·3	284·7	3rd	292·7	+0·6	*292·4*	12	− 3
413	Macleod	..	..	..	..	..	..	294·6	303·3	31st	282·2	276·9	14th	288·4	−2·8	*288·8*	84	+ 61
414	Helena	49 44	113 24	954	875·1	1015·2	+1·7	296·8	305·2	30th	283·9	277·4	14th	290·3	−1·9	*290·7*	24	− 3
414*a*	Salt Lake City	40 46	111 54	1331	867·0	1011·8	−0·7	302·2	307·4	17th	290·0	284·7	5th	296·1	−1·4	*296·7*	38	+ 25
415	Cheyenne	41 8	104 48	1856	816·4	1014·5	+1·4	298·2	303·0	21st	284·6	280·8	4th	291·3	−1·3	*291·5*	46	− 5
416	North Platte	41 8	100 45	860	917·9	1014·9	+1·4	303·3	310·2	8th	289·4	283·6	18th	296·3	+0·1	*296·4*	102	+ 33
416*a*	Bismarck	46 47	100 38	510·2	955·3	1014·9	+1·4	300·4	306·3	22nd	286·8	276·9	15th	293·6	−0·7	*293·7*	81	+ 25
417	Winnipeg	49 53	97 7	231·6	..	1013·9	+1·1	297·2	304·8	1st	285·8	278·6	15th	291·5	−0·3	*290·3*	155	+ 71
418	Duluth	46 47	92 6	345·3	974·3	1015·2	+1·0	294·9	304·1	27th	285·0	279·1	15th	290·0	−1·9	*290·0*	57	− 36
419	Port Arthur	48 27	89 12	196·3	..	1015·2	+1·0	293·8	299·1	4th	283·6	277·4	16th	288·7	−1·1	*288·6*	50	− 47
420	Chicago	41 53	87 37	250·9	987·0	1016·6	+1·4	299·4	306·3	5th	292·1	286·9	16th	295·7	+0·3	*295·5*	98	+ 5
421	Toronto	..	..	106·7	..	1015·8	+1·3	299·6	306·3	8th	288·2	280·8	1st, 20th	293·9	+0·3	293·4	50	− 25
422	New York	43 40	79 24	111·3	1004·9	1015·9	+0·7	300·6	306·9	8th	292·1	287·4	23rd	296·3	+0·3	296·8	83	− 33
423	St. John, N.B.	45 17	66 4	21·3	..	1013·9	+0·4	291·9	298·3	2nd	285·5	280·2	1st	288·7	−0·6	*288·3*	102	+ 28
424	S. W. Point, Anticosti	49 24	63 35	9	1011·3	..	..	288·1	294·7	8th	282·0	274·4	1st	285·1	..	..	84	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1013·4	−0·8	291·0	303·0	11th	280·3	276·3	14th	285·7	−2·3	..	196	+104
435	Madrid	40 24	3 41	655·4	940·2	1014·1	−0·7	304·2	310·3	10th	285·6	282·2	15th	294·9	−3·1	294·8	16	+ 4
436	Nantes	47 15	W 1 34	41·4	..	1014·7	−3·5	294·7	301·2	15th	286·1	283·2	1st	290·4	−1·8	*290·1*	119	+ 52
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1014·2	−2·6	297·2	306·7	12th	286·2	281·6	21st	291·7	−2·6	288·6	78	+ 26
438	Marseilles	43 18	5 23	75·0	..	1014·4	−0·7	300·2	305·6	16th	288·6	285·8	6th	294·4	−1·0	*294·3*	47	+ 26
438*a*	Zürich	47 23	8 33	493·2	958·9	1016·3	−1·7	..	301·1	13th	..	282·0	21st	290·0	−1·4	..	92	+ 40
439	Rome	41 54	12 29	63·4	..	1013·8	−1·5	303·3	306	15th	291·5	289	22, 26, 28	297·4	0·0	..	1	− 18
440	Vienna	48 15	16 22	202·5	990·0	1013·8	−1·1	295·7	299·0	12th	287·5	283·1	6th	291·6	−1·0	*291·5*	130	+ 59
440*a*	Buda-Pesth	47 30	19 2	129·6	998·4	1013·5	−0·8	300·0	306·3	29th	288·3	283·2	6th	294·2	+0·2	..	27	− 28
441	Bucharest	45 25	26 6	82	1003·2	1012·9	+0·6	..	308·4	2nd	..	282·9	6th	294·2	−1·7	..	77	+ 5
443	Odessa (University)	46 29	30 46	65·3	1005·0	1012·8	+0·4	297·6	302·7	31st	289·4	283·9	8th	293·5	−2·7	*293·0*	68	+ 18
444	Kharkov (University)	50 0	36 14	140	..	1013·1	+2·3	..	302	..	..	282	..	290·3	−3·9	*289·7*	119	+ 59
444*a*	Novorossiisk	44 40	37 49	37	..	1009·9	..	..	300	..	..	285	..	293·9	−3·4	*293·3*	96	+ 51
445	Tiflis	41 43	44 48	409	..	1008·7	−0·8	..	307	..	..	282	..	296·1	−1·6	*295·9*	69	+ 14
446	Astrakhan	46 21	48 2	−14	..	1010·2	+0·2	..	306	..	..	287	..	296·2	−2·8	*295·7*	28	+ 13
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1006·4	..	..	309	..	..	292	..	301·6	−0·1	*301·2*	..	..
449	Tachkent	41 20	69 18	478·3	949·9	1003·2	−1·1	308·6	315·6	7th	290·4	283·9	19th	299·5	−1·4	*299·3*	0	− 2
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	790·8	..	..	..	302·0	11th, 29th	282·3	275·5	21st	291·1	+0·8	*290·5*	16	..
452	Vernyi	43 16	76 53	? 835	913·9	1006·6	+3·1	301·5	308·9	29th	..	..	..	294·8	−1·7	*294·2*	27	0
461	Mukden	41 48	123 23	43·8	998·8	1003·8	0·0	302·6	306·9	7th	292·3	287·5	..	297·5	−0·2	297·1	123	− 19
462	Joshin	40 40	129 11	4·0	1005·8	1006·3	−0·9	296·7	302·5	20th	290·1	286·5	24th	293·4	+0·3	292·9	54	− 58
463	Vladivostok	43 7	131 54	26·8	1004·0	1007·1	−2·4	295·4	303·3	..	288·3	285·1	..	291·9	−1·3	*291·5*	117	..
465	Ochiai	47 20	142 44	15·0	1006·0	1007·8	..	292·6	299·7	3rd	282·4	274·7	12th	287·5	..	287·3	84	..
466	Nemuro	43 20	145 35	26·7	1005·0	1008·2	−2·0	290·2	296·2	28th	282·6	278·6	11th	286·4	−1·2	286·0	72	− 12
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1009·9	1015·6	+1·4	290·5	294·7	1st	284·3	282·4	11th	287·4	+0·3	*286·7*	0	0
512	San Luis Obispo	35 18	120 39	61·3	1008·5	1015·9	+1·7	296·1	303·6	15th	283·6	280·2	1st	289·8	−0·5	*289·3*	0	0
513	Modena	37 48	113 54	1670	834·9	1012·5	+1·4	300·4	305·8	16th	284·4	278·6	5th	292·4	−1·5	*292·7*	33	0
514	San Diego	32 43	117 10	26·5	1011·0	1014·2	+1·0	295·0	302·4	15th	289·8	287·4	6th	292·4	0·0	*292·8*	4	+ 3
515	Santa Fé	35 41	105 57	2138	791·7	1011·8	0·0	299·3	303·6	10th	286·8	283·0	5th	293·1	−0·3	*292·8*	38	− 31
516	Denver	39 45	105 0	1613	840·2	1015·2	+2·4	300·5	306·3	8th	286·8	280·8	5th	293·7	−1·5	*293·8*	74	+ 33
517	Abilene	32 23	99 40	529·7	954·5	1013·5	0·0	308·8	314·1	30th	296·6	293·6	6th	302·7	+1·8	*302·5*	8	− 53
518	Saint Louis	38 38	90 12	172·8	995·8	1015·9	+0·3	303·7	308·6	24th	294·3	289·7	16th	299·0	−0·2	*298·9*	134	+ 48
519	Mobile	30 41	88 2	17·4	1015·1	1017·3	+1·0	304·3	309·7	26th	296·4	294·1	6th	300·4	+0·5	*299·8*	173	− 5
520	Nashville	36 10	86 47	166·4	998·5	1017·9	+1·7	302·9	306·9	14th	294·0	290·8	28th	298·4	−0·9	*298·1*	136	+ 25
521	Charleston	32 47	79 56	14·6	1016·3	1017·9	+1·0	303·3	309·1	30th	296·8	294·1	2nd	300·0	−0·4	*299·4*	78	−107
522	Washington	38 54	77 3	34·1	1012·8	1016·9	+1·0	302·5	307·4	14th	292·2	288·6	20th	297·3	−0·6	*297·0*	183	+ 66
524	Bermuda	32 17	64 46	46·0	..	1021·0	+1·0	301·1	303·0	..	295·3	293·0	..	298·2	−0·8	..	285	+173
531	Horta	38 32	28 38	30	..	1024·4	−0·1	297·1	301	31st	292·2	289	sev. dates	294·6	−0·4	..	35	− 36
532	Ponta Delgada	37 44	25 40	17	..	1023·9	+0·1	295·6	298	12, 16, 31	291·1	289	6th	293·4	−0·9	..	15	+ 12
533	Madeira (Funchal)	32 37	16 54	25	1018·1	1021·1	..	295·9	297·9	31st	287·2	285·7	3rd	291·5	..	..	24	+ 22
534	Lisbon	38 43	9 9	95·4	1005·9	1017·2	−0·2	295·4	299·8	8th	288·3	286·6	6th	291·9	−2·8	*291·5*	9	+ 5
535	Casablanca	33 37	7 35	17	1015·3	1017·7	..	..	..	..	..	288·0	..	294·5	−0·2	..	0	0
536	Gibraltar	36 6	5 21	16	1012·1	1014·0	−1·3	300·4	304·7	13th	290·7	288·6	26th	295·6	−1·6	..	0	− 1
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1015·0	−0·5	301·2	308·0	12th	293·0	289·7	11th	297·1	−1·3	..	0	− 4
538	Palma	39 33	2 42	..	..	1015·8	−1·6	301·4	306	13th	293·3	291	sev. dates	297·4	..	..	0	..
538a	Tunis	36 48	10 10	43	..	1016·8	+0·8	305·5	317·0	3rd	293·6	288·6	10th	299·6	+0·1	..	0	− 4
539	Malta	35 54	14 31	59	..	1016·0	−0·5	302·3	308	5th, 6th	295·4	293	1st, 10th	298·8	+0·1	..	0	− 2
540	Catania	37 30	15 3	64·9	..	1014·2	−0·6	304·5	314·2	5th	294·9	289·5	23rd	299·7	+1·1	..	0	− 4
541	Athens	37 58	23 43	107·1	..	1011·8	−1·2	303·9	312	4th	294·8	290	9th	299·4	−1·0	*299·0*	13	+ 6
542	Alexandria	31 9	29 54	32·0	..	1009·6	+0·1	302·5	309	9th	295·6	293	9th	299·0	−0·5	*298·0*	0	− 0
543	Cairo (Helwan)	29 52	31 20	115·6	..	1009·4	−0·1	307·3	313	5th, 9th	293·4	289	8th	300·4	−0·6	300·0	0	− 0
544	Nicosia	35 12	33 24	22·1	..	1005·4	−1·4	308·6	312	3rd, 5th	290·2	287	8th, 9th	299·4	−1·8	..	0	− 2
544a	Beirut	33 54	35 28	52·4	..	1006·3	−0·7	302·0	309	10th	294·9	290	7th	298·4	−1·3	..	12	+ 11
545	Baghdad	33 21	44 28	38·7	994·7	999·1	−1·4	315·6	319·4	13th	298·4	294·6	8th	306·9	−0·1	..	0	− 1
546	Lenkoran	38 46	48 52	−19	1010·4	1008·1	−2·6	..	306·0	26th	293·0	289·0	10th	298·1	−0·2	*297·9*	1	− 24
547	Busrah	30 31	47 53	7·6	996·9	998·0	..	313·9	318·5	13th	301·4	298·7	9th	307·7	+1·0	..	0	− 0
548	Meshed	36 16	59 35	946	900·0	1000·7	..	307·4	313·7	9th	289·9	283·9	20th	298·7	+0·5	..	0	− 2
549	Quetta	30 11	67 3	1677	825·6	..	−0·2	308·4	310·3	4 days	293·4	291·2	23rd, 24th	300·9	..	*300·7*	12	− 7
550																		
551	Lahore	31 34	74 20	214	974·1	997·5	−0·3	311·1	317·4	1st	301·2	297·6	17th	306·2	+0·9?	*305·7*	42	− 98
551a	Simla	31 7	77 8	2204·3	776·9	..	+0·5	293·6	299·3	1st	289·1	287·7	26th	291·3	+0·2	*291·1*	342	− 88
552	Leh	34 10	77 42	3506	664·5	..	+0·4	298·9	302·4	16th, 31st	283·2	279·4	21st	291·1	+0·1	*290·1*	5	− 7
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	318	− 368
559	Hang Kow	30 35	114 17	37·0	1000·0	1004·2	+0·5	306·0	310·8	31st	299·1	295·5	1st	302·6	+0·6	..	306	+ 41
560	Tiensin	39 10	117 10	5·0	1003·4	1004·0	+0·4	303·4	309·3	20th	294·8	289·4	23rd	299·1	−1·2	..	241	+ 80
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1004·4	−0·3	305·8	310·5	29th	296·5	290·9	7th	301·2	+0·7	300·2	218	+ 78
562	Chemulpo	37 29	126 32	67·6	998·7	1006·5	+0·4	299·6	303·5	2nd	293·3	289·2	24th	296·5	−1·1	295·9	266	+ 73
562a	Nagasaki	32 44	129 52	133·0	993·1	1008·4	−0·3	299·8	303·2	29th	294·8	289·7	4th	297·3	−1·7	297·2	572	+ 320
563	Kioto	35 1	135 46	49·4	1003·0	1008·7	−0·5	302·5	306·3	19th	293·1	286·8	5th	297·8	−0·6	297·5	192	− 24
564	Tokio	35 41	138 45	21·3	1005·4	1007·8	−1·8	301·5	306·2	28th	294·1	288·9	2nd	297·8	+0·3	297·3	153	+ 13
565	Miyako	39 38	141 59	30·4	1004·3	1007·8	−1·8	295·5	302·5	20th	288·7	284·3	25th	292·1	−1·3	291·6	185	+ 171
566																		
		N.	E.															

JULY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·8	1016·1	+0·3	301·1	301·9	..	295·4	293·6	..	298·2	−0·3	..	7	− 28
606																		
615	Zacatecas	22 47	102 35	2610	749·4	..	..	291·1	294·0	29th	282·6	280·2	15th	286·9	..	..	12	..
616	Leon	21 7	101 41	1798·6	825·9	..	+0·9	300·0	303·1	30th	287·8	286·0	17th	293·8	0·0	..	95	− 62
617	Galveston	29 18	94 50	16·5	1015·0	1016·9	+1·7	303·8	306·9	27th	299·1	296·9	13th	301·4	+0·1	*301·3*	4	− 97
618	New Orleans	29 58	90 4	15·5	1015·1	1016·9	+1·0	304·3	308·0	26th	297·0	294·1	1st	300·7	+0·3	*300·1*	187	+ 25
619	Havana	23 8	82 22	24·3	..	1017·4	+0·2	303·6	305·2	20th	296·0	295·0	19th	300·3	+0·3	300·6	73	− 26
620	Key West	24 33	81 48	6·7	1016·2	1016·9	0·0	303·8	304·7	25th	298·4	293·6	5th	301·1	−0·6	*301·2*	60	− 31
621	Nassau, Bahamas	25 5	77 21	7·6	1017·3	1018·2	+0·8	303·8	306·1	29th	297·9	294·1	19th	300·9	−0·1	..	141	− 21
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	..	..	..	..	..	..	..	..	..	0	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1020·0	1021·0	+1·0	298·0	300·0	26th	292·2	290·4	26th	295·1	−0·4	..	2	+ 1
637	Insalah	27 17	E 2 27	330	..	..	..	321·2	323·9	22nd	301·9	298·2	19th	311·6	+1·6	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1011·9	+0·9	312·6	317	21, 22, 23	294·6	291	9th	303·6	−0·8	*304·9*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1006·2	−1·9	313·1	317	7, 12, 21	294·6	288	30th	303·8	−1·2	*304·3*	..	..
643	Suez	29 57	32 32	3·4	..	1009·6	+1·3	310·1	317	10th	293·4	290	8th	301·8	0·0	..	0	0
644	Aswan	24 2	32 53	99·6	..	1007·2	−0·5	314·0	317	12th	297·1	295	9th	305·6	−0·9	*307·2*	..	..
647	Bushire	28 59	50 53	4	995·4	996·0	−1·5	306·7	309·6	14th	301·9	298·8	5th	304·3	−0·8	..	0	0
648	Jask	25 44	57 47	4	996·0	996·5	−2·3	308·9	313·7	31st	303·6	302·1	5th, 6th	306·2	+0·8	..	0	0
649	Kurrachee	24 53	66 57	4	997·6	998·0	−1·4	305·0	306·3	1, 2, 7	300·8	298·6	31st	302·9	+1·2	*302·2*	70	− 9
650	Hyderabad, Sind	25 24	68 18	29	994·4	996·6	−1·1	311·4	314·1	23rd	301·2	298·0	31st	306·3	+1·2	..	46	− 28
651	Jaipur	26 56	75 52	436	950·8	998·2	−0·9	307·7	314·5	7th	299·3	295·8	20th	303·5	+0·6	*302·8*	349	+ 149
652	Nagpur	21 8	79 5	310	966·1	1000·4	−1·0	304·9	311·1	5th	297·6	295·1	6th, 7th	301·2	+0·8	*300·6*	521	+ 156
653	Allahabad	25 25	81 51	91	987·5	997·9	−1·2	306·8	314·2	2nd	299·1	296·6	10th	303·0	+0·3	*302·4*	266	− 33
654	Calcutta	22 36	88 23	6	998·7	999·4	−0·8	304·8	306·9	15th	299·1	296·6	2nd	301·9	+0·4	*301·7*	292	− 36
655	Gauhati	26 8	91 41	59	995·7	1002·3	..	304·6	307·9	29th	298·5	295·8	11th	301·5	..	..	330	+ 73
655a	Cherrapunji	25 15	91 42	1313	862·9	..	..	295·3	299·2	29th	291·3	290·8	9 days	293·3	..	..	2217	− 447
656	Shillong	25 33	91 48	1500	844·0	..	..	296·7	299·6	29th	291·0	288·7	7th	293·8	..	..	535	+ 147
656a	Akyab	20 11	92 56	6	1002·8	1003·5	−0·6	302·4	305·2	14th	298·2	296·9	29th, 30th	300·3	+0·1	*300·4*	1632	+ 292
657	Phu Lien	20 48	106 37	115·6	990·4	1003·6	+1·0	304·8	311·3	1st	298·1	295·5	17th, 31st	301·4	−0·6	301·1	567	+ 242
658	Moncay	21 31	107 51	10	1002·7	1003·8	+1·1	305·3	309·0	23rd	297·8	292·9	25th	301·6	0·0	..	738	+ 244
659																		
660	Hong Kong	22 18	114 10	33·2	..	1005·7	+0·9	304·1	305·9	20th	299·4	297·9	13th, 24th	301·8	+0·7	301·3	192	− 132
661	Taihoku, Formosa	25 2	121 31	9·3	1006·0	1007·0	+1·2	307·0	308·8	2nd	297·1	295·3	13th	302·1	+0·7	301·4	165	− 42
662	Naha	26 13	127 41	10·5	1008·4	1009 6	+1·7	304·4	306·5	17th	298·5	296·5	1st	301·4	+0·3	301·1	150	− 54
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JULY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	845·7	..	..	299·7	303·0	16th	289·8	287·6	28th	294·8	..	..	130	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1006·4	1012·9	..	..	307·8	28th	..	296·0	12th	301·9	..	..	4	− 114
718	Mexico	19 26	99 8	2280	781·9	..	+1·2	295·6	298·6	31st	285·0	283·6	2nd, 29th	290·3	−0·5	289·3	122	+ 7
718a	Oaxaca	17 4	96 44	1563	848·2	..	..	301·0	304·2	29th	287·4	285·2	15th, 29th	294·2	..	..	24	..
719	Belize	17 29	88 12	1·9	1015·7	1015·9	0·0	303·7	306·3	..	298·8	296·3	..	301·3	..	..	260	+ 16
720	San Salvador	13 44	89 9	657	939·2	1012·4	+1·2	304·4	306·0	29th	290·9	289·0	11th	297·7	+0·6	..	268	− 51
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·9	+1·0	304·4	305·9	10th	295·3	293·7	1st	299·9	+0·1	*299·4*	131	− 19
722	Port au Prince	18 34	72 22	37·4	1011·1	1015·4	+2·6	307·6	309·8	28th, 29th	296·0	294·0	11th	301·8	..	300·8	85	+ 23
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·9	1014·6	..	303·4	305·0	..	298·5	297·2	..	301·0	..	..	71	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·3	1013·2	−0·1	301·5	303·6	15th	297·4	295·8	19th, 31st	299·5	+0·4	..	289	+ 48
725	Barbados	13 8	59 36	55·2	..	1012·5	..	302·9	304·4	27th	297·9	293·9	9th, 16th	300·4	+0·5	*300·2*	73	− 79
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·8	1015·0	+1·1	299·0	300·0	22nd	295·4	293·0	22nd, 23rd	297·2	−0·6	..	0	− 8
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·1	1016·0	..	..	301·0	303·5	23rd	296·3	295·5	10th, 18th	298·6	..	0	..
733	Bathurst	13 24	16 36	5	1012·4	1013·0	−0·6	303·5	306·3	31st	297·3	295·2	26th	300·4	+0·7	..	151	− 138
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	308·8	310·8	sev. dates	289·6	285·8	21st	299·2	..	..	126	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	294·9	292·0	14th	..	..	..	194	..
736	Timbouctoo	16 43	W 2 52	250	..	1007·9	−0·7	313·7	317·0	..	297·6	293·0	..	305·7	+0·3	*304·8*	53	..
737	Sokoto	13 2	E 5 14	354	..	..	..	305·2	309·1	13th	297·1	293·6	28th	301·2	+1·0	..	128	− 15
738	Kontagora	10 24	5 24	400	..	..	..	304·7	307·4	2nd, 31st	295·3	293·6	17th	300·0	+1·6	..	89	− 136
739	Maiduguri	11 48	13 12	370	..	..	..	308·7	311·3	1, 4, 10	296·7	294·1	11, 21, 27	302·7	..	..	87	− 53
740	Katagum	12 17	10 22	30·7	..	..	..	308·2	311·9	2nd	296·1	293·0	12th, 16th	302·1	..	..	107	− 18
742	Kadugli	11 2	29 45	503	..	..	..	304·0	307·5	24th	291·9	289·0	26th	298·0	..	..	241	..
743	El Obeid	13 11	30 14	585	..	1011·5	−0·9	306·9	310	1st	295·5	292	3rd	301·2	+0·2	*301·0*	83	− 20
744	Khartoum	15 37	32 33	390	..	1008·6	0·0	312·8	315	16th, 18th	299·4	297	26th	306·1	+0·9	*306·2*	0	− 46
746	Aden	12 45	45 3	28·7	1000·6	1003·9	0·0	307·0	309·4	11th	300·7	299·1	29th, 31st	303·9	−0·1	*303·8*	1	0
751	Bombay	18 54	72 49	11·3	1002·0	1003·2	−1·8	302·6	304·7	2nd, 3rd	298·9	296·6	30th	300·8	+0·6	*300·0*	645	+ 6
752	Mysore	12 18	76 40	768	923·3	1007·3	−1·0	300·3	304·4	2nd	292·6	291·6	17th, 31st	296·4	−0·4	*295·3*	59	− 5
752a	Kodaikanal	10 13	77 28	2343	768·5	..	−0·3	289·9	293·0	4th	284·7	283·0	23rd	287·3	−0·1	286·7	84	− 44
753	Madras	13 4	80 14	6·7	1004·4	1005·1	−1·3	308·9	312·4	31st	299·7	296·9	20th	304·3	+0·6	302·9	53	− 51
754	Waltair	17 45	83 16	68·9	993·8	1001·5	−0·7	303·8	308·3	5th	298·1	296·3	15th, 28th	301·0	..	*300·2*	176	+ 74
755	Port Blair	11 40	92 40	17·7	1004·7	1006·7	−1·1	302·3	304·2	6th	298·0	294·9	28th	300·1	−0·3	*299·3*	443	+ 44
756	Rangoon	16 46	95 48	5·5	1005·9	1006·6	−0·3	302·7	304·9	9th	297·2	295·2	28th	299·9	−0·1	*298·9*	539	+ 7
757	Saigon	10 46	106 42	11·2	..	1007·5	+0·4	305·2	307·5	14th	295·7	293·9	26th	300·5	−0·1	..	383	+ 73
758	Nhatrang	12 16	109 12	6·8	..	1005·4	+0·3	306·4	309·8	3rd	297·7	296·5	28th, 29th	302·1	+0·5	..	123	+ 64
759	Bolinao	16 24	119 53	9·7	..	1006·2	..	305·0	307·5	1st	297·2	295·9	24th	301·1	..	300·1	729	− 47
760	Vigan	17 34	120 23	14·7	..	1006·3	..	304·8	306·4	19th	296·7	295·2	10th	300·8	..	300·5	660	− 10
761	Manila	14 35	120 59	14·2	..	1007·2	−0·2	304·9	308·2	2nd, 6th	296·7	295·7	8th	300·8	−0·5	299·6	529	+ 130
762	Ormoc	11 0	124 36	5·6	..	1007·9	..	303·4	305·3	12th	295·7	293·9	11th	299·6	..	299·3	381	+ 56
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1008·4	..	304·1	305·6	11th	298·1	296·0	22nd, 25th	301·1	..	..	158	..
		N.	E.															

Between Latitude 10° N. and 0°. JULY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	306·2	308·3	11th	298·7	295·8	2nd	302·5	+0·6	*300·9*	30	− 153
819	Culebra	9 10	79 40	123·1	..	1010·2	0·0	303·0	305·8	12th	295·8	294·1	17th	299·6	−0·3	..	257	+ 15
822	Caracas	10 31	66 56	?	899·2	..	..	297·2	299·7	..	289·2	286·5	..	293·2	..	..	140	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·7	..	..	302·8	304·7	17th, 28th	294·3	293·0	9th, 22nd	298·6	..	..	200	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·0	1012·2	−1·1	302·4	304·2	27th	296·9	295·2	31st	299·7	0·0	..	285	+ 19
826a	Paramaribo	5 49	55 9	4	1013·5	1013·9	..	303·2	304·5	18th	295·7	294·8	2nd, 22nd	299·5	..	*298·9*	221	..
	Cayenne	4 56	52 21	6	..	..	..	303·9	305·0	23, 28, 29	295·8	295·0	11th, 18th	299·9	0·0	..	208	− 7
833	Conakry	9 31	13 43	16	1012·0	1013·8	+0·1	302·7	305·5	..	295·3	293·1	..	299·0	+0·4	..	1990	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	302·4	304·2	3rd, 6th	295·4	294·2	24th	298·9	−0·3	..	856	− 46
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	301·6	..	..	295·1	..	..	298·4	+0·6	..	89	+ 57
837	Lagos	6 22	E 3 28	7·6	1013·2	1014·0	+0·3	301·5	303·8	..	296·4	294·7	..	299·0	+0·8	..	190	− 78
838	Zungeru	9 48	6 10	130	..	1012·9	−0·6	303·7	307·4	2nd	294·9	293·0	6th	299·3	+0·4	..	130	− 83
838a	Libreville	0 23	9 26	35	..	..	..	302·8	304·2	3, 7, 22	293·9	293·0	20, 22, 30	298·4	+1·2	..	2	1
839	Yola	9 12	12 30	259	..	..	..	303·4	306·3	3rd	295·6	291·3	18th	299·5	+0·9	..	186	+ 25
841	Kafia Kingi	9 22	24 18	596	945·9	1013·2	..	..	..	..	..	..	..	..	..	..	230	..
842	Wau	7 42	28 3	440	..	1011·6	−0·3	..	..	..	293·6	291	12th	..	..	..	208	+ 24
843	Entebbe	0 5	32 29	1177	884·1	..	0·0	298·2	300·2	26th	289·2	288·0	12, 14, 15	293·7	+0·4	..	66	− 8
844	Nandi	0 2	35 5	2010	..	..	..	296·3	297	4th	284·8	284·1	1st	290·6	..	..	210	..
845	Harrar	9 42	42 30	1856	..	..	..	295·4	297	1, 6, 7	287·1	286	sev. dates	291·3	..	..	102	..
851	Cothin	10 0	76 21	2·7	1009·2	1009·5	−0·7	301·7	303·4	2nd, 6th	296·5	295·1	12th, 13th	299·1	+0·1	*298·3*	636	+ 54
852	Colombo Observatory	6 54	79 53	7·3	1007·5	1008·3	−0·2	303·4	304·4	6th	298·0	295·2	26th	300·7	+0·7	*299·9*	117	− 49
853	Candy	7 18	80 40	504·5	..	..	..	299·8	302·3	5th	294·7	293·7	10th	297·3	−0·1	..	273	+ 84
855	Medan	3 35	98 41	23·5	..	1008·0	−1·7	..	..	..	..	..	..	..	..	..	120	− 11
856	Kota Radja	5 32	95 20	7·1	..	1009·5	..	..	..	..	..	..	..	..	..	..	37	− 69
857	Penang	5 34	100 20	5·0	1006·6	1007·2	−2·0	305·4	306·9	24th	296·1	294·7	23rd	300·8	+0·2	..	103	− 63
858	Singapore	1 17	103 51	2·2	1008·8	1009·0	−0·4	303·8	305·5	22nd	297·6	295·8	1st	300·7	+0·2	..	110	− 63
860	Sandakan	5 49	118 12	..	..	..	..	303·9	305·2	25th, 27th	296·7	296·3	sev. dates	300·3	−0·1	..	124	− 44
861	Tagbilaran	9 38	123 51	26·2	..	1007·8	..	304·9	306·2	1st	..	..	..	..	..	..	565	+ 272
863	Surigao	9 48	125 29	6	..	1007·5	..	304·2	306·0	23rd	296·8	295·7	10th	300·5	..	300·0	145	− 16
867	Yap	9 29	138 8	31·9	..	1007·4	..	304·0	306·0	13th	?296·8	295·0	21st	300·4	..	..	418	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	125	− 115
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	..	..	..	306·6	308·0	24th	296·0	294·7	17th, 18th	301·3	+0·2	..	256	+213
906																		
923	Manaos	3 8	59 59	32·4	1003·8	1007·5	−1·9	..	..	..	..	..	..	300·1	−1·1	..	28	− 1
930	Fernando Noronha	3 51	W32 25	95	1002·5	1013·6	..	..	300·4	..	..	293·5	..	298·0	..	*298·0*	80	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	303·5	305·6	1st	289·4	286·5	29th	296·5	+0·6	..	0	..
940	Loango	4 38	11 50	?50	..	..	..	299·6	..	..	292·8	..	..	296·2	..	..	1	..
943	Daressalam	6 49	39 18	7·6	1016·1	1016·9	..	301·2	302·4	27th	292·0	290·1	11th	296·6	..	296·2	9	..
944	Nairobi	1 18	36 59	1660	..	..	..	293·1	297·4	14th	282·3	278·8	8th	287·7	..	..	7	− 12
944*a*	Zanzibar	6 10	39 11	21·9	1016·3	1018·8	−0·4	300·5	301·3	23rd, 31st	295·8	294·6	11th	298·1	+0·4	..	1	− 70
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·5	303·0	1st	296·5	290·8	1st	299·0	..	..	48	..
947	Seychelles	4 37	55 27	4·6	..	1011·9	−1·6	300·1	301·4	..	297·6	295·9	..	298·8	+0·4	*298·1*	99	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1009·9	−1·4	..	..	..	..	..	..	..	..	..	163	−143
957	Batavia	6 11	106 50	8	1009·1	1010·0	−0·3	303·2	304·8	29th	296·0	294·1	17th	299·6	+0·4	299·2	104	+ 27
958	Pontianak	0 1	109 20	2·6	..	1009·9	+0·8	..	..	..	..	..	..	..	..	..	358	+194
959	Passeroean	7 38	112 55	5·0	..	1010·2	−0·7	303·6	305·0	..	293·6	291·0	..	298·6	..	*299·1*	0	− 35
960	Kajoemas	7 56	114 9	950	..	..	..	297·2	299·2	25th	290·3	287·7	20th	293·8	..	293·0	15	− 27
961	Koepang	10 10	123 34	3·3	..	1011·3	..	..	..	..	..	..	..	..	..	..	0	− 6
962	Ambon	3 42	128 10	4·2	..	1010·5	−0·1	..	..	..	..	..	..	..	..	..	680	+ 45
965	Daru	9 4	143 13	8	..	1011·6	−0·2	301·8	..	..	295·6	..	..	298·7	+0·5	..	30	− 72
966	Port Moresby	9 29	147 9	39	..	1011·6	+0·4	301·2	..	..	296·0	..	..	298·6	−0·2	..	19	− 72
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	350	− 11
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·4	1008·6	−1·2	303·1	305·2	22, 23, 24	297·7	296·3	20th, 22nd	300·4	+0·7	..	105	− 79
970	Ocean Island	0 52	169 36	27·8	..	1007·8	−0·1	304·3	305·2	15th	297·3	296·3	8, 21, 23	300·8	0·0	..	112	− 8
		S.	E.															

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1011·3	−0·4	..	303·8	..	..	290·9	..	298·6	+0·8	..	18	− 52
1003	Alofi, Niue Island	19 2	169 55	36·6	1013·0	1017·3	−0·3	300·2	303·0	1, 24, 26	293·1	289·7	6th, 7th	296·7	+0·5	..	13	− 31
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1012·3	..	302·3	304·6	..	294·9	289·8	..	298·6	..	..	20	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1014·4	1015·6	..	294·8	303·2	3rd	284·9	282·2	22nd	289·9	−0·3	..	0	..
1022	Arequipa	16 22	71 33	2451	762·2	..	−0·3	292·5	296·3	10th, 11th	281·2	278·0	3rd	286·9	+0·3	..	4	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	287	0	..	0	− 3
1025																		
1026	Cuyaba	15 36	56 0	235	..	1023·6	+2·2	299·1	305·9	24th	290·9	284·6	3rd	295·0	..	..	8	..
1035	St. Helena	15 57	W 5 40	632	948·5	1022·1	+0·6	291·1	292·9	4th	285·6	283·6	19th	288·3	+0·5	*287·9*	94	+ 2
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	863·5	..	..	293·1	299·9	..	277·8	273·1	..	285·4	..	..	1	0
1043	Salisbury, Rhodesia	17 49	31 3	1487	861·6	..	..	293·1	297·1	..	277·9	274·9	..	285·5	..	..	2	+ 2
1044	Zomba	15 23	35 18	899	911·7	1014·0	+1·8	295·6	299·1	29th	282·4	280·1	1st	289·0	−0·3	..	9	+ 5
1045	Tamatave	18 9	49 26	4	1021·5	1021·9	+1·3	297·3	299·2	..	293·1	290·9	..	295·2	..	..	747	+480
1046	Tananarivo	18 55	47 32	1400	868·9	..	+0·6	292·9	296·8	31st	282·4	277·5	6th	287·7	+0·1	286·6	9	+ 2
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1011·4	−0·5	301·4	303·0	3rd, 23rd	297·5	295·2	21st	299·4	+0·8	..	117	−107
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·6	1009·2	−0·3	303·3	305·1	..	296·4	294·3	..	299·9	+0·5	..	26	−141
1058																		
1061	Derby	17 18	123 40	16·2	..	1014·5	−0·3	302·9	306·1	5th, 6th	287·6	284·7	1st	295·2	−0·1	..	0	− 5
1062	Hall's Creek	18 13	127 46	373·4	..	1014·4	−2·0	301·6	305·8	6th	281·7	277·4	22nd	291·7	+0·6	..	0	− 7
1063	Port Darwin	12 28	130 51	29·6	..	1011·9	−0·5	304·4	307·2	3rd	294·1	289·5	23rd	299·2	+1·1	*298·0*	1	− 7
1064	Daly Waters	16 16	133 23	213	..	1012·9	..	302·8	307·2	2nd	286·1	279·9	31st	294·5	+1·1	..	0	− 7
1065	Mein	13 13	142 57	121·9	..	1011·3	..	302·3	303·6	18th, 19th	291·0	285·8	23rd, 27th	296·7	..	..	1	− 7
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	300·9	303·9	1st	285·6	279·1	24th	293·2	..	..	0	− 7
1067	Samarai	10 37	150 40	6·4	..	1012·0	+0·6	300·1	..	..	296·7	..	..	298·4	+0·2	..	308	+ 29
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1015·3	−0·2	298·7	301·9	25th	292·3	289·7	10th	295·5	−0·7	..	44	− 70
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·3	299·7	1st, 28th	291·1	285·2	7th	294·2	..	..	152	+64
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1017·2	1020·8	..	293·4	296·2	1st	287·7	285·2	19th	290·6	..	..	65	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1015·0	1018·0	..	286·5	291·0	25th	281·7	278·7	16th	284·1	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1015·0	1015·6	+0·9	296·5	297·4	28th	284·5	284·0	sev. dates	290·5	+0·9	..	17	+16
1123	Goya	29 9	59 15	64	1016·4	1024·3	..	291·1	299·0	12th	280·3	273·6	28th	285·7	−2·6	*285·0*	25	−16
1126	Porto Alegre	30 2	51 13	26	1021·5	1024·6	..	289·8	301·2	6th	279·3	272·2	30th	284·6	..	284·6	68	..
1127	Curityba	25 26	49 16	908	918·8	1022·4	0·0	290·2	296·3	7th, 14th	276·8	270·6	19th	283·5	−2·4	283·6	32	−31
1128	Rio de Janeiro	22 54	W43 10	64	..	1020·8	+0·4	295·0	301·9	27th	289·9	287·7	4th, 10th	292·5	−0·9	..	106	+65
1139	Windhuk	22 34	E17 5	1665·3	838·0	..	..	292·1	295·4	9th	278·8	271·4	27th	285·5	..	285·7	0	..
1140																		
1141	Johannesburg	26 11	28 4	1874	828·6	..	−0·1	288·4	292·5	8th	277·6	271·8	29th	283·0	−0·2	*282·5*	0	− 4
1142	Kimberley	28 43	28 46	?1232	889·4	..	+1·1	..	..	..	..	..	..	..	..	..	..	..
1142*a*	Pretoria	25 45	28 11	1576	875·7	..	−0·1	292·9	296·3	22nd	274·9	271·2	4th	283·9	−0·1	..	1	− 1
1143	Durban	29 51	31 0	79·9	1015·3	1025·0	+1·0	294·1	297·0	14th	284·1	282·2	6th	289·1	−2·2	..	24	− 8
1144	Lorenzo Marques	25 58	32 36	59	..	1024·7	+1·6	296·9	302·2	28th	285·5	283·0	6th	291·2	−0·3	290·7	27	+13
1147	Mauritius	20 6	57 33	54·3	1013·2	1019·6	−0·6	296·6	298·2	2nd	289·6	287·1	11th	293·1	0·0	292·8	50	−18
1159	Onslow	21 43	114 57	4·3	..	1015·1	−1·6	298·1	302·6	4th	283·7	277·2	2nd	290·9	+0·2	..	9	−20
1160	Peak Hill	25 38	118 47	588·3	..	1015·7	−3·0	292·1	297·9	21st	280·9	276·1	26th	286·5	+0·9	..	30	+ 9
1161	Nullagine	21 53	120 5	385·6	..	1016·1	−1·8	297·2	302·4	23rd, 29th	280·2	273·6	3rd	288·7	+0·6	..	9	−10
1162	Laverton	28 40	122 23	466·3	..	1017·9	−2·6	290·1	297·7	4th	279·2	273·8	1st	284·6	+0·7	..	23	+ 7
1163	Alice Springs	23 38	133 37	587·0	..	1016·9	−3·2	292·9	299·7	11th	277·5	273·0	3rd	285·2	+0·8	*284·9*	35	+24
1164	William Creek	28 55	136 21	76·2	..	1017·9	..	290·6	297·7	10th	278·4	275·2	16th, 24th	284·5	+0·3	..	6	0
1165	Boulia	22 55	139 38	145·7	..	1015·9	−1·3	293·4	301·4	11th	281·3	278·2	16th, 23rd	287·4	+0·5	..	53	+46
1166	Mitchell	26 32	147 52	337·1	..	1016·8	..	290·7	296·9	12th	277·8	272·4	17th, 25th	284·3	..	..	107	+76
1167	Rockhampton	23 24	150 30	11·3	..	1017·6	−0·8	295·6	299·9	18th	283·4	278·5	17th	289·5	+0·4	..	68	+27
1168	Brisbane	27 28	153 2	41·7	..	1016·1	−2·0	293·0	297·9	7th	283·4	279·0	17th	288·2	+0·8	..	52	− 7
1169	Noumea	22 16	166 27	9	1012·4	1013·4	..	298·0	303·6	15th	290·2	288·4	28th	294·1	+0·6	..	57	−34
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	99	−69
		S.	E.															

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1020·8	1022·0	+3·4	288·1	292·3	29th	283·4	281·0	1st	285·8	+0·2	..	77	− 85
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1014·2	1019·0	+2·6	287·6	293·2	25th	280·8	276·6	13th, 15th	284·2	−2·0	..	11	−112
1222	Santiago	33 27	70 42	520	957·6	1019·6	+0·8	288·1	296·0	28th	274·7	269·0	1st	281·4	−1·1	280·1	3	− 83
1223	Cordoba	31 25	64 12	439	969·9	1022·7	+3·1	290·8	300·7	25th	274·5	266·4	2nd	282·6	−1·5	281·9	4	− 1
1224	Buenos Ayres	34 16	64 11	25·2	1018·6	1021·7	+3·1	285·5	292·4	11th	278·0	269·9	2nd	281·8	−1·4	281·5	43	− 12
1225	Rio Grande	32 2	52 6	2·3	1020·7	1021·0	..	286·6	290·6	25th	281·1	275·0	3rd	283·9	..	..	132	..
1226	Montevideo	34 52	W56 12	29·3	..	1020·7	+2·3	..	291·8	11th	..	275·0	28th	..	−0·8	282·6	49	− 16
1239	Cape Town	33 56	E18 29	9	1021·8	1022·9	+1·6	291·0	299·7	19th	280·8	276·3	13th	285·9	+0·2	..	55	− 37
1240	Danger Point	34 37	19 18	20	..	..	..	290·6	296·3	21st	283·7	278·6	15th	287·2	..	..	47	..
1241	Heidelberg	34 5	20 58	1541	857·0	..	+1·6	291·1	294·8	8th	270·7	266·6	21st	280·9	−0·7	..	0	− 27
1242	East London	33 2	27 55	10·1	1021·9	1023·1	+2·4	294·1	303·6	27th	282·4	279·7	2nd	288·2	0·0	..	25	+ 4
1259	Perth (Observatory)	31 57	115 51	60·0	..	1015·1	−4·2	289·7	294·2	28th	282·2	275·8	25th	285·9	+0·2	..	221	+ 59
1260	Katanning	33 42	117 35	309·7	..	1014·2	−4·3	287·2	292·8	21st	279·5	272·8	26th	283·3	+0·7	..	127	+ 52
1261	Coolgardie	30 57	121 10	423·3	..	1016·0	−3·9	288·8	295·0	4th	278·9	274·6	1st, 25th	283·9	+0·4	..	33	+ 11
1262	Eucla	31 45	128 58	4·6	..	1015·5	−4·3	291·4	297·4	4th	280·3	275·2	3rd	285·9	+0·5	..	19	− 4
1263	Streaky Bay	32 48	134 13	13·1	..	1017·0	−2·9	288·7	290·8	5th	281·0	277·4	14th	284·9	+0·5	..	81	+ 21
1264	Adelaide	34 56	138 35	42·7	..	1017·8	−2·6	288·0	291·0	5th	280·1	276·7	19th	284·1	+0·2	..	66	+ 1
1265	Melbourne	37 49	144 57	35·1	..	1018·5	−0·7	286·2	290·3	1st	278·3	272·3	16th	282·3	+0·1	..	51	+ 4
1266	Bourke	30 13	145 58	110·1	..	1019·7	−0·7	288·3	293·6	11th	278·1	273·6	16th	283·2	−0·8	..	56	+ 34
1267	Sydney	33 51	151 13	44·5	..	1017·4	−1·1	287·8	293·3	12th	281·4	278·5	21st	284·6	+0·3	..	272	+150
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	496	+287
1271	Auckland	36 50	174 50	38·1	..	..	..	286·2	289·7	18th	280·3	276·6	31st	283·2	−0·7	..	126	− 1
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1301																		
1302	Chatham Island	43 52	170 42	58	..	..	..	283·4	286·3	7th	279·4	274·1	31st	281·4	+1·1	..	83	− 11
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	283·7	286·3	17th	279·0	277·3	1st	281·4	..	..	174	..
1323	Punta Galera	40 1	73 44	40	1015·2	1020·1	..	285·3	292·4	17th	278·7	277·2	4th	282·0	..	..	208	..
1324	Bahia Blanca	38 45	W62 12	20	1018·2	1020·6	+2·7	286·2	290·5	3rd	274·5	267·6	18th	280·4	−0·6	*279·9*	4	− 23
1365																		
1366	Hobart	42 53	E147 22	48·8	..	1019·2	+5·8	283·4	287·7	2nd	277·3	271·8	16th	280·4	0·0	..	38	− 15
1369	Launceston	41 27	147 10	9·4	..	1018·9	..	284·8	288·8	12th	275·4	270·6	14th	280·1	+0·4	..	88	+ 12
1370																		
1371	Dunedin	45 52	170 31	90	..	1016·4	+5·9	281·4	285·8	5th	275·7	270·8	20th	278·6	+0·1	..	128	+ 45
1372	Christchurch	43 32	172 38	7·6	..	1017·6	+5·0	281·6	286·6	6th	275·4	269·2	3rd	278·5	−0·3	..	111	+ 45
	Wellington	41 16	174 46	2·4	..	1015·7	+3·0	284·1	288·4	12th	279·4	274·7	22nd	281·8	+0·2	..	240	+ 93
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·9	1002·7	..	..	..	..	274·3	270·8	25th	278·4	..	..	316	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1002·8	1003·3	+2·7	277·6	281·8	14th	272·9	267·5	26th	275·3	+0·3	275·6	81	+52
1423	Punta Dungeness	52 24	68 25	5	998·4	999·0	..	279·0	281·9	15th	274·6	273·2	17, 19, 25	276·8	..	..	..	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1004·8	+0·1	277·4	280·2	15th	272·6	266·9	26th	275·0	−0·4	275·4	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	994·3	994·8	−2·7	272·2	278·6	15th	265·8	262·0	1st	269·0	−1·7	*268·8*	71	−52
1430		S.	W.															

JULY—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·9	989·5	990·4	−4·3	264·4	274·7	31st	251·9	238·5	3rd	258·2	−3·0	*257·9*	22	−6
1528																		

JULY—ZONE 16. Between Latitude 70° S. and 80° S.

1669																		
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	982·0	−5·5	..	264·1	..	..	235·9	..	..	+5·0	252·1	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction	Suva, Fiji. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE by S	7·1	E 3	Calm 0	Calm 0	Calm 0	E 6	E 5	SE 5	NE 2	NE 3	S	..
2	SE by S	5·9	Calm 0	N 2	W 2	Calm 0	E 1	E 2	SE 4	E 2	NE 2	E	2·2
3	SE	5·7	E 2	E 2	Calm 0	Calm 0	E 2	E 3	SE 4	NE 3	NE 3	E	2·1
4	SE by S	4·1	SE 4	SE 4	W 2	Calm 0	SE 3	SE 2	SE 2	NE 3	NE 2	E	3·0
5	SE by S	6·3	SE 2	SE 1	Calm 0	N 3	SE 6	E 1	SE 3	NE 2	NE 4	NE	1·9
6	SSE	6·7	NE 4	NE 1	N 2	SW 2	SE 2	NE 2	E 4	NE 2	NE 1	NE	0·9
7	SE by S	5·3	SE 2	SE 2	Calm 0	SW 3	NE 2	E 3	SE 4	NE 3	NE 3	Calm	0·5
8	SE by S	6·2	SE 4	E 2	SW 2	W 3	E 6	E 5	SE 4	NE 2	NE 2	NE	2·1
9	SE by S	5·8	SE 4	E 3	SW 2	W 3	E 6	E 3	SE 4	E 3	E 4	Calm	7·4
10	SE by S	6·4	SE 4	E 3	SW 2	E 3	SE 2	SE 4	SE 2	NE 3	Calm	Calm	0·1
11	SE	5·3	SE 3	SE 3	N 2	Calm 0	NE 4	NE 5	SE 2	NE 2	NE 2	N	0·0
12	SE by S	4·6	E 4	NE 3	Calm 0	SW 2	NE 5	NE 6	SE 4	NE 3	NE 1	SW	0·1
13	SE	5·6	SE 3	SE 2	SW 2	SW 2	NE 2	SE 1	SE 2	NE 3	NE 2	S	0·8
14	E by S	6·7	SE 5	SE 3	SW 2	SW 2	E 6	SE 4	SE 3	NE 1	NE 2	E	1·1
15	SE by S	6·2	E 4	SE 3	Calm 0	Calm 0	SE 5	SE 3	SE 2	NE 2	NE 3	N	0·0
16	SE by E	3·8	SE 3	E 3	Calm 0	SW 2	SE 2	SE 2	SE 2	NE 3	NE 3	NW	0·1
17	SE	4·2	SE 4	E 3	Calm 0	SW 2	SE 4	NE 5	E 2	NE 4	NE 4	NE	0·2
18	SSE	4·2	E 6	E 3	SW 2	Calm 0	NE 6	SE 6	SE 3	E 3	NE 2	Calm	0·2
19	SE by S	3·9	SE 2	E 3	Calm 0	Calm 0	SE 5	SE 4	SE 2	NE 3	NE 3	Calm	0·8
20	SE by S	4·9	SE 3	E 2	Calm 0	Calm 0	E 6	SE 5	Calm 0	NE 4	NE 4	NE	0·2
21	SE by S	4·2	SE 1	SE 2	SW 2	SW 2	E 6	SE 4	Calm 0	NE 3	NE 3	NE	0·9
22	SE	3·4	SE 4	SE 1	SW 2	SW 2	E 4	SE 4	Calm 0	NE 3	NE 3	NE	0·5
23	SE	4·4	SSE 3	SSE 1	W 2	Calm 0	E 3	SE 5	SE 1	NE 3	NE 2	NW	0·1
24	SE	5·7	SE 3	SE 2	N 2	W 3	E 6	E 6	SE 1	E 3	E 2	N	0·8
25	SE by S	9·5	E 2	E 5	W 2	Calm 0	E 6	E 5	SE 2	NE 3	NE 1	Calm	0·6
26	SE	11·5	SE 5	SE 4	Calm 0	SW 4	E 6	E 5	SE 2	NE 2	NE 3	SW	0·2
27	SE	13·1	SE 3	SE 2	SW 2	SW 2	E 6	E 6	SE 3	NE 2	NE 2	S	0·2
28	SE	12·2	SE 3	SE 1	SW 2	SW 2	E 1	NE 1	SE 3	NE 3	NE 2	SW	1·8
29	SE by E	9·2	SE 2	SE 2	Calm 0	SW 2	NE 1	NE 3	SE 1	NE 2	SE 3	SE	1·8
30	SE	7·9	SE 3	SE 3	SW 2	SW 2	NE 4	E 3	SE 1	SE 3	NE 2	E	0·4
31	SE	4·9	SE 3	SE 4	SW 2	Calm 0	E 6	E 5	SE 1	E 3	NE 2	NE	0·1
Mean for Month	..	6·3	..	3·2	..	2·4	..	4·2	..	2·4	..	2·6	..	2·5	..	..	1·0
Deviation from Normal	..	−0·5	..	..	..	1·2	..	1·5	..	+0·8	..	..	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1912.

**The Seas round Novaja Zemlja and Spitsbergen.*—"*Kara Strait* was closely packed. In the Northern *Barents Sea* the ice-edge was further S. than usual."

**Spitsbergen.*—"West of Storfiord the ice-edge was unbroken. South of South Cape the ice reached lat. 75°. The ice-belt along the west coast was narrow and scattered, and the South Cape Islands were free of ice."

**Greenland Sea.*—"There was much scattered ice. Off Angmagsalik the ice-belt grew narrow and became navigable on the 22nd."

**Iceland.*—"There was often scattered ice 20–30 miles north of Cape North and Skagataa."

North Atlantic and Labrador.—"On the 9th the steamer routes were shifted north to their usual course, but in the latter half of July the ice became so unfavourable that they were again shifted south. The ice-limits were 41° N. 42° 15′ W.; there were still some floes. There were many icebergs off *Belle Isle Strait*, and to 180 miles off shore."

**Davis Strait.*—"At first the ice was very close from Cape Farewell past Arsuk; later it became scattered. North of Fiskernaes the sea was ice-free."

**Behring Sea.*—"A little scattered ice."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. AUGUST—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1012·8	1013·6	..	..	..	..	..	..	..	276·6	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1012·2	1014·5	+3·1	282·1	288·2	16th	275·8	272·7	6, 22, 30	278·4	+0·9	..	53	+23
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1015·7	1017·1	+1·6	..	281·8	18th	273·5	267·1	31st	275·6	..	..	14	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1021·8	1013·6	+2·4	..	296·3	11th	279·9	273·5	31st	..	−0·3	*283·1*	46	+2
142	Mehavn	71 1	27 47	6·4	1013·6	1014·4	..	..	293·1	2nd	279·2	271·8	29th	..	..	*282·5*	31	−11
143	Vardö	70 22	31 8	10·0	1013·9	1015·1	+3·2	..	291·0	10th	278·8	274·6	31st	..	−1·3	*280·9*	46	−5
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1014·0	1015·8	+4·9	..	286·3	5th	..	..	..	276·9	−2·3	*276 7*	61	+19
148		N.	E.															

Between Latitude 70° N. and 60° N. AUGUST—ZONE 2.

203	Nome	64 30	165 24	6·7	1003·0	1003·8	..	285·7	291·3	..	279·8	273·0	..	282·8	..	..	122	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	289·9	296·3	..	279·3	274·1	..	284·6	..	..	82	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	286·1	293·0	..	278·6	273·0	..	282·3	..	..	179	..
208	Eagle	64 46	141 12	248	975·2	1004·7	..	292·0	298·0	..	274·6	266·3	..	283·3	..	..	63	..
209	Dawson	64 4	139 20	321	969·5	1007·5	−3·9	291·6	296·9	14th	277·3	271·3	27th	284·4	−1·2	..	40	..
210	Carcross	60 11	134 34	662	..	..	..	287·9	292·4	21st	277·8	271·9	1st	282·8	..	..	47	..
211																		
212	Fort Simpson	61 52	120 43	129	994·7	1010·1	..	295·0	305·3	18th	282·3	273·7	31st	288·7	..	*289·3*	10	..
213																		
214	Hay River	60 51	115 20	161	990·8	1009·9	..	291·9	304·1	19th	282·3	274·7	31st	287·1	..	..	51	..
	Fort Resolution	61 0	113 0	240	..	..	..	292·1	299·4	18th	282·8	274·7	27th	287·4	..	..	28	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1013·0	1014·5	+4·0	283·9	289·9	19th	277·3	272·6	30th	280·6	+0·7	..	36	+2
229	Godthaab	64 11	51 44	9	1011·0	1012·1	+2·1	..	..	..	277·3	274·5	4th	279·3	+0·1	..	59	−16
230	Angmagsalik	65 37	37 34	31·7	1013·5	1017·4	..	284·8	290·9	18th	275·0	271·1	11th	279·9	..	..	16	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1012·6	1014·0	+4·6	283·2	288·3	15th	278·3	277·3	2, 6, 29	280·8	−1·5	..	37	−2
233	Vestmanno	63 26	20 15	7·7	1010·7	1011·6	+3·3	285·9	292·4	17th	279·1	275·8	3rd	282·5	−1·1	..	53	−25
234	Grimsey (Akureyri)	66 33	17 58	6·8	1013·8	1014·6	+4·6	281·9	286·0	10th	276·4	274·2	2nd	279·2	−1·2	..	11	−21
235	Berufjord	64 40	14 19	18	1009·5	1011·7	+2·2	284·0	287·2	17th, 18th	277·7	275·0	3rd, 30th	280·9	−0·5	..	14	−59
236	Thorshavn	62 3	6 45	25·7	1005·2	1008·3	−1·1	284·9	290·0	16th	280·0	274·1	2nd	282·5	−1·2	..	72	−29
	Lerwick	60 9	W 1 8	18·0	1002·9	1005·1	−4·6	286·2	289·7	14th, 16th	282·2	279·1	3rd	284·2	−0·4	..	101	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	998·7	1003·9	−6·7	..	295·0	13th	284·1	280·1	28th	..	−0·4	*286·8*	184	−6
239	Christiansund	63 7	7 45	17·8	1002·8	1005·0	−5·5	..	298·6	9th	284·4	277·5	29th	..	+0·9	*287·1*	136	+33
240	Trondhjem	63 26	10 25	39·5	1001·4	1006·1	−4·4	..	299·5	9th	283·8	276·4	29th	..	+0·7	*287·2*	67	−9
241	Bodö	67 17	14 24	20·5	1006·7	1009·1	−1·3	..	299·0	10th	283·7	275·8	30th	..	+2·5	*287·9*	11	−72
242	Haparanda	65 50	24 9	9·2	1010·3	1011·4	+1·1	290·5	302·5	10th	283·0	272·0	30th	286·8	+1·0	..	146	+92
	Helsingfors	60 10	24 57	11·7	..	1008·3	−2·7	..	300	..	..	280	..	290·6	+2·0	*290·3*	92	+20
242a	Kuopio	62 54	27 40	99·7	..	1011·5	..	..	303	..	..	277	..	289·2	+1·6	*288·9*	59	..
243																		
244	Kola	68 53	33 1	6·7	1014·0	1014·8	+4·9	288·7	301·3	10th	280·2	271·2	21st	284·5	−0·1	..	89	+56
245	Petrozavodsk	61 47	34 23	38·9	..	1013·5	+2·7	..	301	..	..	274	..	288·6	+0·9	*288·3*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1016·4	+6·1	..	303	..	..	275	..	287·4	+0·2	*286·9*	37	−16
247	Velsk	61 5	42 7	? 87	1006·3	1016·7	..	..	305·0	8th	282·7	273·0	16th	288·5	..	*288·1*	23	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1016·6	+7·6	..	302	..	..	272	..	284·9	−0·5	*284·5*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	1002·0	1016·9	..	..	302·2	5th	280·3	273·8	25th	285·4	..	*285·1*	43	..
249																		
250	Berezov	63 56	65 4	39·7	1010·6	1015·4	+5·0	..	300·8	2nd	277·9	267·6	21st	284·2	−2·3	*283·9*	56	+3
251	Obdorsk	66 31	66 35	23·7	1012·2	1015·0	+4·8	..	291·2	5th	278·4	271·9	23rd	281·9	−3·2	*281·6*	41	..
252	Sourgout	61 15	73 24	? 40	1007·9	1012·7	+4·7	..	294·7	2nd	277·8	271·5	27th	282·6	−5·4	*282·3*	81	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1008·4	1010·8	..	..	288·5	16th	276·2	272·5	24th	279·8	..	*279·6*	51	..
261																		
262	Olekminsk	60 22	120 26	? 202	991·1	1015·2	−1·3	..	303·3	2nd	280·4	271·7	31st	286·3	+0·4	*286·0*	34	..
263	Iakoutsk	62 1	129 43	? 108	995·8	1008·7	−0·1	..	303·0	3rd	280·7	273·0	22nd	286·9	−1·6	*286·6*	39	−3
264	Verkhoïansk	67 33	133 24	? 100	994·3	1006·4	−1·2	..	295·5	2nd	277·2	268·8	31st	283·5	+0·3	*283·2*	22	−1
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	304·9	3rd	279·7	271·7	8th	287·3	..	*287·0*	49	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
303	Dutch Harbor	53 54	166 32	4·0	..	..	..	285·9	293·0	..	278·8	275·2	..	282·4	..	..	39	..
309	Sitka	57 4	135 20	27	1011·1	1014·4	+0·8	288·6	293·6	..	281·1	276·9	..	284·9	−3·9	..	230	+ 82
310	Prince Rupert	54 18	130 18	52	..	1015·0	..	289·3	295·2	18th, 20th	282·3	277·4	31st	285·8	..	..	119	..
311	Barkerville	53 2	121 35	1274	..	1014·6	..	288·4	295·8	20th	278·6	273·0	29th	283·5	−1·2	*283·4*	108	+ 29
312	Kamloops	50 41	120 29	379	..	1012·0	−2·2	297·1	303·8	22nd	284·9	279·0	29th	291·0	−2·1	*290·8*	53	+ 27
313	Calgary	51 2	114 2	1033	..	1011·3	−0·5	..	300·8	22nd	..	271·9	30th	287·4	−0·7	*287·7*	70	+ 6
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	280·2	29th	..	..	..	..	..
315	Prince Albert	53 10	106 0	436	..	1011·5	+0·3	293·8	300·2	23rd	282·4	276·9	25th	288·1	−0·1	*288·5*	95	+ 2
316	Qu'Appelle	50 30	103 47	645	..	1012·3	−0·9	293·6	298·6	10th	283·1	276·3	26th	288·3	−1·4	*288·4*	50	+ 5
317	Minnedosa	50 15	99 50	518	..	1013·7	..	293·2	299·7	11th	282·8	275·7	3rd	288·0	−1·3	*287·6*	61	− 1
318	Berens River	52 18	97 23	216	..	..	..	294·2	303·6	12th	283·1	276·9	2nd	288·6	..	*288·0*	102	..
318*a*	York Factory	57 0	92 28	11	1011·6	1012·9	+1·7	..	299·1	7th	277·8	272·4	19th	284·3	−0·8	..	..	..
319	Fort Hope	51 32	87 48	..	983·3	..	..	291·1	298·6	12th	279·3	273·0	28th	285·2	..	..	41	..
320	Moose Factory	51 16	80 56	9	1012·0	1013·1	..	290·9	300·2	13th, 14th	279·4	273·0	19th	285·2	..	..	79	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
325	Davis Inlet	55 50	60 50	..	1003·3	..	..	288·8	295·8	8th, 10th	280·1	273·6	21st	284·5	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	292·4	24th	..	281·3	21st	286·9	−0·3	..	90	− 1
327	Belle Isle	51 55	55 20	133	997·9	1014·2	..	282·1	287·4	11th	278·8	274·1	6th	280·5	..	..	66	..
334	Valencia	51 56	10 15	13·7	1007·0	1008·4	−5·8	287·9	289·1	18th	283·1	278·6	3rd	285·5	−2·6	285·6	116	+ 15
335	Aberdeen	57 10	2 6	27·4	1001·9	1005·2	−6·4	286·5	288·6	18th	281·1	275·2	25th	283·8	−2·8	284·1	122	+ 49
336	Greenwich	51 28	W 0 0	48·5	1002·5	1008·4	−7·0	292·3	295·8	4th	283·1	278·6	28th	287·7	−2·5	286·9	108	..
337	Uccle	50 48	E 4 22	100	998·0	1008·0	−7·6	291·6	297·6	4th	283·4	280·9	3rd	287·5	−2·7	*287·1*	167	+ 87
338	De Bilt	52 6	5 11	3·0	1008·2	1008·6	−5·9	291·5	298·4	5th	283·8	279·7	3rd	287·7	−3	287·1	221	+ 139
338*a*	Hamburg	53 33	9 59	26·0	1005·5	1008·6	−5·2	291·6	295·5	1st	285·3	282·0	22nd	288·5	−2·6	288·2	60	+ 53
339	Copenhagen	55 41	12 36	5·0	1006·0	1006·6	−6·5	290·9	295·5	6th	285·9	283·4	29th	288·4	−0·6	..	124	+ 64
340	Potsdam	52 23	13 4	84·9	999·6	1009·6	−5·2	292·9	299·8	30th	284·5	281·1	13th	288·7	−1·4	287·9	86	+ 64
340*a*	Upsala	59 51	17 38	24·0	1002·8	1005·7	−4·6	292·7	300·1	9th	284·4	278·8	29th	288·6	+1·0	288·6	124	+ 64
341	Warsaw	52 15	21 1	120	995·9	1010·1	−4·2	..	302·8	3rd	285·3	281·2	30th	289·5	−2·9	*289·2*	140	+ 2
342	Jurjev	58 23	26 43	74·5	1000·6	1009·5	−1·7	295·5	304·4	9th	284·9	278·3	30th	290·2	+0·4	*289·7*	70	..
343	Petrograd	59 56	30 16	4·8	..	1011·0	0·0	..	305	..	..	278	..	290·7	+1·6	*290·5*	31	− 55
344	Kiev	50 27	30 30	182·9	..	1011·5	−2·4	..	302	..	..	281	..	290·7	−1·0	*290·4*	71	+ 1
344*a*	Moscow	55 45	37 34	156	..	1013·5	+1·3	..	306	..	..	280	..	290·5	+0·3	*290·3*	49	+ 3
345	Saratov	51 32	46 3	59·9	..	1014·0	+2·8	..	306	..	..	280	..	294·1	+0·3	*293·8*	31	+ 5
346	Kazan	55 47	49 8	79·8	1006·6	1016·2	+4·7	..	306·8	3rd, 7th	..	275·9	22nd	291·1	+0·5	*290·9*	21	+ 11
347	Orenburg	51 45	55 6	114·1	..	1016·0	+3·2	..	306	..	..	279	..	292·7	−0·4	*292·3*	22	+ 12
348	Perm	58 1	56 15	163·0	..	1016·7	..	..	302	..	..	273	..	288·1	−0·6	*287·8*	38	+ 5
349	Ekaterinburg	56 50	60 38	288·9	..	1016·7	+5·9	..	303	..	..	273	..	286·8	−1·2	*286·5*	70	+ 21
350	Tobolsk	58 12	68 14	108·3	1001·9	1015·0	..	..	299·9	3rd	280·8	275·8	18th	285·9	−3·1	*285·6*	47	+ 17
351	Akmolinsk	51 12	71 23	? 347	972·8	1013·6	+2·8	..	302·8	13th	281·2	275·9	1st	288·6	−2·8	*288·2*	25	+ 20
352	Omsk	54 58	73 23	87·9	1001·8	1012·4	+2·2	..	298·6	3rd	281·7	277·8	9th	286·7	−3·9	*286·4*	32	+ 20
353	Barnaoul	53 20	83 47	162·2	992·8	1012·2	+1·6	..	300·6	16th	280·9	273·2	30th	286·0	−4·0	*285·6*	72	+ 22
354	Tomsk	56 30	84 58	121·6	995·8	1010·6	+0·8	..	291·0	5th	279·9	275·4	9th	283·3	−5·4	*282·9*	84	+ 34
355	Minousinsk	53 43	91 41	? 255	981·5	1011·8	..	..	297·9	17th	280·8	274·2	31st	285·5	..	*285·1*	83	+ 22
356	Eniseisk	58 27	92 11	84·4	998·2	1008·4	−2·0	..	293·2	1st	279·8	274·2	9th	283·8	−5·1	*283·5*	108	+ 47
357	Irkutsk	52 16	104 19	467·0	954·8	1009·5	−1·1	..	296·5	6th	280·2	273·9	11th	285·4	−3·4	*285·1*	76	+ 17
358	Kirensk	57 47	108 7	? 263	978·0	1009·1	..	..	298·8	1st	280·0	275·0	14th	285·6	..	*285·3*	51	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	299·8	2nd	278·3	272·1	31st	284·9	..	*284·6*	32	..
360*a*	Nertchinsk	51 59	116 35	484·3	949·0	1005·0	..	..	299·2	2nd	283·1	274·8	15th	287·9	−4·7	*287·7*	88	..
361	Tygan Ourkan	54 5	124 46	? 370	964·2	1007·8	..	..	300·7	3rd	281·1	271·0	19th	287·4	..	*287·1*	188	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	301·6	1st	284·5	278·5	19th	291·1	..	*290·9*	61	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·6	1009·1	+0·4	293·1	300·0	..	283·9	276·3	..	289·8	+0·3	*289·4*	41	− 35
366	Okhotsk	59 21	143 17	6·0	1010·0	1010·7	−0 3	287·5	292·9	..	..	277·8	..	..	−2·1	*284·2*	33	..
368	Petropavlovsk	52 53	158 47	87·1	1000·7	1011·3	+0 3	287·4	294·0	..	281·2	279·3	..	284·3	−2·9	..	55	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

AUGUST—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	25·9	..	1015·2	−1·4	293·2	300·7	7th	283·8	278·1	28th	288·5	+0·2	288·1	57	+ 42
412	Portland, Oregon	45 32	122 41	46·6	1010·2	1015·6	−0·7	296·9	306·9	7th	286·6	283·0	29th	291·8	−0·1	*291·5*	86	+ 69
413	Macleod	49 44	113 24	954	..	..	..	295·3	303·6	23rd	281·9	276·9	30th	288·6	−0·9	*288·9*	51	+ 33
414	Helena	46 34	112 4	1253	873·3	1012·8	−1·0	296·6	305·2	24th	283·4	276·3	30th	290·0	−1·9	*290·3*	41	+ 23
414*a*	Salt Lake City	40 46	111 54	1331	866·5	1011·2	−1·7	301·7	307·4	9th	289·3	282·4	18th	295·5	−1·7	*295·9*	18	− 3
415	Cheyenne	41 8	104 48	1856	815·4	1013·2	0·0	298·7	304·7	26th	284·4	278·0	9th	291·6	−0·2	*291·8*	37	0
416	North Platte	41 8	100 45	860	916·1	1013·5	−0·3	301·7	309·7	25th	287·2	283·0	9th	294·4	−0·8	*294·4*	32	− 30
416*a*	Bismarck	46 47	100 38	510·2	954·2	1013·9	0·0	298·4	306·3	23rd	285·5	280·8	3rd	292·0	−1·1	*291·9*	59	+ 10
417	Winnipeg	49 53	97 7	231·6	..	1014·3	+0·8	294·1	300·8	11th	283·2	276·9	3rd	288·7	−1·6	*287·2*	42	− 18
418	Duluth	46 47	92 6	345·3	973·2	1014·2	−0·7	290·6	298·6	21st	283·7	278·6	2nd	287·1	−4·2	*287·0*	83	− 8
419	Port Arthur	48 27	89 12	196·3	..	1014·8	−0·4	292·0	299·1	13th	282·3	275·2	15th, 23rd	287·2	−1·3	*287·1*	65	− 12
420	Chicago	41 53	87 37	250·9	984·6	1014·2	−1·7	298·2	308·0	31st	291·1	285·8	4th	294·7	−0·1	*294·7*	91	+ 18
421	Toronto	43 40	79 24	106·7	..	1013·8	−1·8	295·4	302·4	14th	286·0	278·7	30th	290·7	−1·8	290·1	101	+ 33
422	New York	40 43	74 0	111·3	1003·2	1014·5	−1·4	298·4	304·7	26th	290·6	284·7	31st	294·5	−0·8	294·8	70	− 46
423	St. John, N.B.	45 17	66 4	21·3	..	1013·5	−1·0	291·4	296·3	15th	284·8	280·8	31st	288·1	−1·1	*287·7*	146	+ 48
424	S. W. Point, Anticosti	49 24	63 35	9	1009·9	1011·0	..	286·5	290·8	12th	281·5	273·0	28th	284·0	..	..	82	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	1012·7	−2·5	290·7	295·8	2nd, 3rd	283·2	277·4	19th	286·9	−1·2	..	111	+ 19
435	Madrid	40 24	3 41	655·4	943·7	1017·7	+2·9	303·7	307·8	23rd	288·3	279·2	14th	296·0	−1·9	294·0	2	− 8
436	Nantes	47 15	W 1 34	41·4	..	1013·6	−4·0	291·7	295·8	17th	284·0	280·8	3rd	287·9	−4·2	*287·5*	128	+ 79
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1012·2	−4·2	292·7	297·7	29th	283·7	280·1	14th	288·2	−4·8	285·9	83	+ 29
438	Marseilles	43 18	5 23	75·0	..	1014·8	−0·3	297·1	300·0	1st	287·8	284·5	17th	292·5	−2·5	*292·2*	54	+ 31
438*a*	Zürich	47 23	8 33	493·2	957·8	1015·4	−4·0	..	299·3	4th	..	282·2	14th	287·2	−3·1	..	196	+ 63
439	Rome	41 54	12 29	63·4	..	1014·3	−0·7	301·4	305	4th	290·5	287	15th, 16th	296·0	−1·1	..	10	− 17
440	Vienna	48 15	16 22	202·5	988·1	1011·9	−3·5	293·3	297·4	2nd	285·4	282·3	13th	289·4	−2·7	*289·2*	51	− 17
440*a*	Buda-Pesth	47 30	19 2	129·6	997·8	1013·0	−1·8	297·9	304·8	5th	285·8	280·4	13th	291·9	−1·4	..	27	− 25
441	Bucharest	45 25	26 6	82	1002·8	1012·5	−1·9	..	309·2	8th	..	282·6	13th	293·9	−1·4	..	84	+ 36
443	Odessa (University)	46 29	30 46	65·3	1004·8	1012·6	−1·4	297·0	304·1	6th	290·1	285·5	25th	293·6	−1·7	*293·1*	82	+ 52
444	Kharkov (University)	50 0	36 14	140	..	1013·2	+0·9	..	305	..	..	282	..	291·7	−1·1	*291·3*	37	− 13
444*a*	Novorossiisk	44 40	37 49	37	..	1012·0	..	..	301	..	..	287	..	295·2	−2·1	*294·8*	46	+ 6
445	Tiflis	41 43	44 48	409	..	1012·3	+1·1	..	308	..	..	285	..	296·9	−0·6	*296·7*	1	− 39
446	Astrakhan	46 21	48 2	−14	..	1013·5	+0·8	..	307	..	..	283	..	296·0	−1·0	*295·6*	3	− 7
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1010·3	..	..	310	..	..	291	..	301·3	−0·3	*301·0*	..	..
449	Tachkent	41 20	69 18	478·3	954·0	1008·0	+0·5	305·5	310·5	15th	287·4	282·9	26th, 27th	296·5	−2·1	*295·4*	0	− 2
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	792·3	..	..	..	300·8	15th	281·3	278·0	28th, 29th	290·6	+1·1	*290·1*	5	..
452	Vernyi	43 16	76 53	? 835	917·3	1011·2	+4·6	299·2	307·6	15th	..	..	..	292·1	−2·5	*291·7*	2	− 24
461	Mukden	41 48	123 23	43·8	1002·4	1007·5	+1·0	301·9	308·6	5th	291·4	286·1	17th	296·7	0·0	296·4	189	+ 66
462	Joshin	40 40	129 11	4·0	1009·8	1010·3	+2·4	298·1	304·2	12th	291·9	288·0	31st	295·0	+0·2	294·5	97	− 63
463	Vladivostok	43 7	131 54	26·8	1008·8	1011·9	+1·2	295·9	300·5	..	290·2	287·0	..	293·1	−1·0	*292·8*	59	..
464																		
465	Ochiai	47 20	142 44	15·0	1011·8	1013·6	..	294·3	300·8	6th	284·4	276·8	21st	289·4	..	298·2	52	..
466	Nemuro	43 20	145 35	26·7	1011·1	1014·3	+2·8	293·2	299·4	10th	285·4	280·9	5th	289·3	−1·3	288·6	77	− 18
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1008·7	1014·5	+1·4	292·2	298·0	7th	284·8	283·0	5th	288·5	+1·1	*287·8*	0	0
512	San Luis Obispo	35 18	120 39	61·3	1007·1	1014·5	+0·7	297·7	307·4	6th	283·0	280·8	31st	290·3	−0·2	*289·8*	0	0
513	Modena	37 48	113 54	1670	834·2	1011·5	+0·3	301·5	306·3	23rd	283·1	279·7	19th	292·3	−1·0	*292·5*	3	− 43
514	San Diego	32 43	117 10	26·5	1010·0	1013·2	+1·0	294·7	299·1	7th	289·6	286·3	5th	292·1	−1·3	291·9	7	+ 8
515	Santa Fé	35 41	105 57	2138	790·7	1011·2	−1·0	299·0	303·6	26th	286·1	283·0	9th	292·6	+0·1	*292·3*	29	− 30
516	Denver	39 45	105 0	1613	838·9	1013·2	0·0	301·8	307·4	26th	286·7	281·3	9th	294·2	−0·1	*294·2*	27	− 8
517	Abilene	32 23	99 40	529·7	953·5	1012·8	−0·3	308·1	310·8	8th	295·8	290·8	9th	301·9	+1·6	*301·7*	71	+ 20
518	Saint Louis	38 38	90 12	172·8	994·2	1014·5	−1·0	302·1	308·0	28th	293·0	285·8	3rd	297·6	−0·6	*297·5*	67	0
519	Mobile	30 41	88 2	17·4	1015·1	1017·3	+2·0	304·4	307·4	20th	295·9	293·6	8th	300·2	+0·7	*299·5*	210	+ 36
520	Nashville	36 10	86 47	166·4	997·4	1016·9	+1·0	302·9	306·3	19th	292·7	286·3	4th	297·8	−0·6	*297·5*	78	− 10
521	Charleston	32 47	79 56	14·6	1015·5	1017·3	+1·0	304·3	309·1	21st	296·3	291·3	5th	300·3	+0·5	*299·7*	70	− 107
522	Washington	38 54	77 3	34·1	1011·0	1014·9	−1·4	301·3	306·3	18th	290·8	284·7	6th	296·0	−0·6	*295·8*	38	− 74
523																		
524	Bermuda	32 17	64 46	46·0	..	1019·5	+0·6	301·4	302·9	7th	295·5	292·7	18th	298·4	−0·9	..	197	+ 45
531	Horta	38 32	28 38	30	..	1021·6	−0·8	298·6	301	2, 6, 28	293·8	291	sev. dates	296·2	+0·5	..	44	− 39
532	Ponta Delgada	37 44	25 40	17	..	1021·8	−0·3	297·2	300	6th	292·6	290	5, 21, 22	294·9	−0·2	..	24	+ 14
533	Madeira (Funchal)	32 37	16 54	25	1017·7	1020·6	..	297·7	300·0	12th	289·1	284·0	5th	293·4	..	..	1	− 1
534	Lisbon	38 43	9 9	95·4	1007·6	1019·0	+1·8	296·7	301·3	11th	288·7	286·5	14th	292·7	−2·6	*292·1*	7	+ 2
535	Casablanca	33 37	7 35	17	1015·7	1018·1	..	..	..	..	..	289·5	..	294·6	−1·3	..	0	0
536	Gibraltar	36 6	5 21	16	1012·8	1014·7	−0·6	301·1	305·8	13th	291·5	289·7	9th, 13th	296·3	−1·5	..	0	− 5
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1015·9	+0·9	301·2	306·2	26th	293·3	291·5	24th	297·3	−1·5	..	4	
538	Palma	39 33	2 42	..	..	1017·0	−0·1	301·5	308	26th	293·6	290	16th	297·6	..	..	12	..
538a	Tunis	36 48	10 10	43	..	1017·8	+2·4	304·7	313·2	7th	292·6	289·0	1st	298·7	−0·6	..	0	
539	Malta	35 54	14 31	59	..	1016·3	−0·4	301·5	304	7th, 21st	295·4	293	25th	298·4	−0·6	..	0	
540	Catania	37 30	15 3	64·9	..	1014·7	−0·7	302·4	306·4	5th	294·0	291·2	23rd	298·2	−0·6	..	0	
541	Athens	37 58	23 43	107·1	..	1011·6	−0·8	304·8	309	16th	295·0	292	25th	299·9	−0·3	*299·5*	0	
542	Alexandria	31 9	29 54	32·0	..	1010·4	+0·3	303·1	304	17th	296·3	294	29th	299·7	−0·2	*298·8*	0	
543	Cairo (Helwan)	29 52	31 20	115·6	..	1009·9	+0·1	307·4	312	10th	293·7	292	28th	300·6	−0·1	300·5	0	
544	Nicosia	35 12	33 24	22·1	..	1007·4	+0·2	310·1	312	sev. dates	290·6	289	sev. dates	300·4	−0·9	..	0	
544a	Beirut	33 54	35 28	52·4	..	1007·6	0·0	302·7	304	22nd	295·6	295	27th	299·2	−1·0	..	0	
545	Baghdad	33 21	44 28	38·7	997·3	1001·7	−1·0	316·6	320·3	14th	297·9	293·6	23rd	307·3	+0·1	..	0	
546	Lenkoran	38 46	48 52	−19	1013·6	1011·3	−0·8	..	303·8	9th, 10th	292·7	287·6	23rd	297·7	0·0	*297·5*	64	+12
547	Busrah	30 31	47 53	7·6	999·4	1000·4	..	315·3	320·2	18th	301·1	297·6	31st	308·2	+1·5	..	0	
548	Meshed	36 16	59 35	946	903·1	1005·4	..	304·8	307·6	16th	285·8	281·6	13th	295·4	−0·9	..	0	
549	Quetta	30 11	67 3	1677	827·8	..	+0·3	306·2	308·1	12th	289·0	283·7	28th	297·6	+0·3	*297·3*	9	
550																		
551	Lahore	31 34	74 20	214	976·5	1000·3	0·0	308·2	311·8	28th, 31st	299·4	296·2	2nd, 18th	303·8	−0·3	*303·3*	203	+69
551a	Simla	31 7	77 8	2204·3	778·3	..	+0·7	292·1	293·5	27th	288·3	286·9	19th	290·2	−0·2	*289·9*	487	+25
552	Leh	34 10	77 42	3506	664·9	..	0·0	297·3	301·6	1st	282·8	279·1	29th	290·1	−0·5	*288·7*	16	+3
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	734	+42
559	Hang Kow	30 35	114 17	37·0	1002·2	1006·4	+0·7	306·0	311·0	2nd	298·0	293·0	19th	302·0	−0·7	..	10	−164
560	Tiensin	39 10	117 10	5·0	1007·5	1008·1	+1·0	303·9	308·5	5th	295·8	291·6	7th	299·9	+0·4	..	211	+73
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1006·0	−0·2	304·8	308·4	5th	296·6	292·2	21st	300·7	+0·2	299·6	258	+112
562	Chemulpo	37 29	126 32	67·6	1001·6	1009·4	+0·2	300·7	306·9	5th	294·9	290·8	19th	297·8	−1·0	297·3	275	+96
562a	Nagasaki	32 44	129 52	133·0	994·2	1009·4	+0·4	303·4	305·5	4th	295·7	293·9	6th	299·6	−0·6	299·2	36	+16
563	Kioto	35 1	135 46	49·4	1004·7	1010·4	+0·4	306·4	308·9	22nd	294·0	291·7	28th	300·2	+0·5	299·3	86	−53
564	Tokio	35 41	138 45	21·3	1008·6	1011·0	+0·3	303·1	307·4	25th	294·6	289·4	5th	298·8	−0·1	298·2	68	−57
565	Miyako	39 38	141 59	30·4	1008·8	1012·3	+1·2	298·8	305·6	18th	291·9	287·8	5th	295·4	−0·3	294·6	95	−57
566																		
		N.	E.															

AUGUST—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·6	1015·9	+0·7	301·6	303·6	..	295·8	294·1	..	298·7	−0·2	..	13	−25
606																		
615	Zacatecas	22 47	102 35	2610	748·6	..	..	292·0	294·2	8th	282·0	280·4	12th	287·0	..	..	39	..
616	Leon	21 7	101 41	1798·6	825·1	..	+0·1	299·9	302·8	1st	287·7	284·0	28th	293·6	+0·1	..	133	−6
617	Galveston	29 18	94 50	16·5	1014·1	1016·2	+1·7	304·0	305·2	4th	299·5	294·1	14th	301·8	+0·7	*301·7*	40	−80
618	New Orleans	29 58	90 4	15·5	1014·9	1016·6	+1·4	305·2	307·4	23rd	297·4	295·2	5th	301·3	+1·1	*300·6*	125	−15
619	Havana	23 8	82 22	24·3	..	1017·0	+0·8	304·0	305·9	7th	296·9	294·6	20th	300·5	+0·4	300·6	280	+124
620	Key West	24 33	81 48	6·7	1016·1	1016·9	+1·7	304·5	305·2	24th	298·9	294·7	13th	301·7	−0·1	*301·8*	43	−75
621	Nassau, Bahamas	25 5	77 21	7·6	..	1018·8	+2·6	304·2	305·2	9th, 10th	297·8	295·5	18th	301·0	0·0	..	84	−135
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	?296·7	298·9	..	?291·1	289·6	..	?293·9	..	..	5	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1019·0	1020·0	+0·4	298·7	302·4	22nd	293·0	291·4	17th	295·9	−0·9	..	3	+2
637	Insalah	27 17	E 2 27	330	..	..	..	319·6	322·4	4th	301·6	298·0	11th	310·6	+1·8	..	0	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1012·0	+0·5	313·6	317	3rd, 12th	294·6	292	1st	304·1	0·0	*304·2*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1008·0	−0·5	313·4	317	11th, 12th	290·7	287	1, 2, 3	302·0	−2·6	*302·4*	..	..
643	Suez	29 57	32 32	3·4	..	1009·5	+0·5	310·6	316	10th	294·4	292	30th	302·5	+0·4	..	0	
644	Aswan	24 2	32 53	99·6	..	1007·9	+0·4	313·7	317	12th	297·1	294	31st	305·4	−0·8	*306·8*	..	..
647	Bushire	28 59	50 53	4	998·9	999·4	−0·2	307·5	309·6	17th	300·9	298·0	31st	304·2	−1·3	..	0	
648	Jask	25 44	57 47	4	1000·2	1000·6	−0·9	307·9	313·7	18th	302·2	300·7	4 days	305·0	+0·2	..	0	
649	Kurrachee	24 53	66 57	4	1001·3	1001·8	−0·2	303·7	304·9	8th, 11th	299·4	298·0	31st	301·6	+1·5	*301·0*	10	−31
650	Hyderabad, Sind	25 24	68 18	29	996·8	1000·0	−0·3	308·3	313·3	30th	299·2	297·2	9th	303·8	+0·2	..	74	+20
651	Jaipur	26 56	75 52	436	954·0	1002·0	+0·1	305·0	308·4	27th	297·3	295·8	17, 18, 19	301·2	−0·6	*300·3*	330	+118
652	Nagpur	21 8	79 5	310	968·5	1003·0	−0·3	302·9	307·2	23rd	296·6	295·1	5th	299·8	−0·4	*299·0*	521	+225
653	Allahabad	25 25	81 51	91	990·4	1000·9	−0·3	305·2	308·1	7th	298·8	297·4	30th	301·9	−0·1	*301·3*	232	−74
654	Calcutta	22 36	88 23	6	1000·8	1001·4	−0·6	304·3	306·4	17th	299·1	297·2	9th	301·7	+0·5	*301·5*	278	−57
655	Gauhati	26 8	91 41	59	997·4	1004·0	..	304·9	308·4	2nd, 8th	298·2	296·4	23rd	301·6	..	..	367	+127
655a	Cherrapunji	25 15	91 42	1313	864·2	..	..	295·7	300·1	2nd	291·3	286·1	9th	293·5	..	..	1754	+400
656	Shillong	25 33	91 48	1500	845·5	..	..	296·9	299·3	2nd	290·7	288·4	31st	293·8	..	..	235	−181
656a	Akyab	20 11	92 56	6	1004·4	1005·0	−0·4	302·7	304·1	4 days	298·0	297·2	4th, 12th	300·3	+0·2	*300·4*	1244	+147
657	Phu Lien	20 48	106 37	115·6	990·4	1003·6	−0·6	303·8	307·6	2nd	297·4	295·5	21st	300·6	−1·1	300·2	402	+156
658	Moncay	21 31	107 51	10	1002·4	1003·5	−0·3	304·5	307·0	28th	297·1	294·4	14th	300·8	−0·7	..	711	+243
659																		
660	Hong Kong	22 18	114 10	33·2	..	1003·9	−1·4	303·4	305·9	1st	298·7	297·3	26th	301·1	+0·3	300·7	399	+35
661	Taihoku, Formosa	25 2	121 31	9·3	1003·4	1004·4	−1·1	305·0	307·5	5th	296·6	294·6	6th	300·8	−0·5	300·2	488	+242
662	Naha	26 13	127 41	10·5	1005·1	1006·3	−1·5	305·3	307·2	3rd	298·2	296·1	26th	301·7	+0·7	301·4	149	−109
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	845·1	..	..	300·2	303·7	14th	290·6	287·0	24th	295·4	..	..	179	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	..	306·4	16th, 28th	..	294·2	30th	301·1	..	..	137	−33			
718	Mexico	19 26	99 8	2280	1006·1	1012·6	..	295·9	298·3	1st	285·0	283·6	27th	290·5	−0·1	289·7	120	+5
718a	Oaxaca	17 4	96 44	1563	781·2	..	+0·9	300·8	303·5	13th	287·5	281·3	23rd	294·2	..	..	52	..
719	Belize	19 29	88 12	1·9	847·5	..	..	303·3	304·7	27th	297·6	296·9	7th	300·7	..	..	263	+46
720	San Salvador	13 44	89 9	657	1015·0	1015·2	+1·1	303·8	304·7	27th	295·3	293·9	25th	299·8	+0·1	*299·3*	113	−59
721	Jamaica (Negril Point)	18 15	78 23	10·1	939·0	1012·5	+1·3	303·3	305·8	12th	291·4	289·8	10th	297·4	+0·2	..	360	+64
722	Port au Prince	18 34	72 22	37·4	1010·8	1014·3	+1·1	304·2	305·6	5th	295·6	292·8	15th	299·8	+0·1	*299·3*	213	+81
723	St. Croix (Christiansted)	17 45	64 42	6·6	1010·8	1015·1	+3·2	306·8	310·4	1st	295·6	292·8	15th	301·2	..	300·4	213	+81
724	Grenada (Richmond Hill)	12 3	61 45	155·1	1013·2	1013·9	..	303·5	305·0	..	298·8	297·5	..	301·2	..	..	30	..
725	Barbados	13 8	59 36	55·2	995·1	1012·9	+0·2	302·4	304·1	25, 26, 27	297·4	295·8	1, 20, 29	299·9	+0·6	..	154	−90
731	St. Vincent, C. Verde Is.	16 54	25 4	11	..	1011·9	..	302·8	304·6	24th	297·3	295·2	17th	300·5	+0·4	*300·3*	71	−122
732	San Tiago, C. Verde Is.	16 54	25 4	11	1012·4	1013·6	+1·5	300·2	302·0	24th, 25th	296·0	295·0	2, 3, 8	298·1	−1·1	..	11	−30
733	Bathurst	14 54	23 31	34	1011·0	1014·9	..	301·2	302·9	25th, 30th	297·3	295·8	11th	299·3	..	..	25	..
734	M'Carthy Island	13 24	16 36	5	1012·0	1012·6	−0·7	301·9	304·7	1st, 29th	296·8	294·1	27th	299·4	0·0	..	336	−166
735	Ségou	13 42	14 46	3·5	..	..	..	306·0	310·8	1st	291·3	288·0	27th	298·7	..	..	343	..
736	Timbouctoo	13 34	6 17	? 272	..	..	..	..	..	..	294·6	292·5	17th, 18th	..	..	..	258	..
		16 43	W 2 52	250	..	1008·6	−1·0	311·8	317·0	..	296·9	294·0	..	304·4	+0·6	*303·5*	32	..
737	Sokoto	13 2	E 5 14	354	..	..	..	303·0	305·8	26th	295·8	294·1	15, 17, 29	299·4	+0·6	..	194	+1
738	Kontagora	10 24	5 24	400	..	..	..	303·6	306·3	21, 26, 30	294·6	293·0	6th, 23rd	299·1	+1·1	..	190	−72
739	Maiduguri	11 48	13 12	370	..	..	..	305·2	309·7	5th	295·5	293·0	27th	300·4	..	..	153	−63
740	Katagum	12 17	10 22	30·7	..	..	..	305·2	309·1	4th, 7th	295·3	292·4	7th	300·3	..	..	301	+95
742	Kadugli	11 2	29 45	503	..	..	..	304·1	307·0	21st	290·8	289·0	18th, 28th	297·4	..	..	128	..
743	El Obeid	13 11	30 14	585	..	1012·4	+0·1	305·6	309	30th	294·2	291	3rd	299·9	−0·1	*300·1*	119	+3
744	Khartoum	15 37	32 33	390	..	1009·6	+0·9	310·4	314	25th, 26th	298·0	293	7th	304·2	−0·2	*304·6*	98	+59
746	Aden	12 45	45 3	28·7	1001·5	1004·7	−0·2	306·3	309·4	20th	299·4	297·4	3, 6, 8	302·9	+0·1	*303·1*	0	−3
751	Bombay	18 54	72 49	11·3	1005·1	1006·3	−0·6	302·2	303·6	23rd	298·2	297·2	3, 25, 29	300·2	+0·3	*299·6*	251	−109
752	Mysore	12 18	76 40	768	924·6	1009·0	−0·3	301·1	304·4	13th	292·6	291·3	4 days	296·8	−0·2	*295·7*	67	−23
752a	Kodaikanal	10 13	77 28	2343	769·3	..	−0·3	290·4	293·6	9th	284·4	282·7	1st	287·4	+0·1	286·8	137	−53
753	Madras	13 4	80 14	6·7	1005·7	1006·4	−0·8	308·6	311·9	1st, 6th	298·4	294·9	21st, 25th	303·5	+0·7	302·2	140	+15
754	Waltair	17 45	83 16	68·9	995·3	1003·0	−0·6	303·2	306·7	18th	298·3	295·2	1st	300·8	..	*300·2*	220	+78
755	Port Blair	11 40	92 40	17·7	1005·8	1007·8	−0·6	302·1	303·7	11th	297·9	295·8	26th	300·0	−0·4	*299·4*	370	−5
756	Rangoon	16 46	95 48	5·5	1006·7	1007·4	−0·4	302·4	304·7	19th	297·1	295·8	8th	299·7	−0·2	*298·8*	509	+9
757	Saigon	10 46	106 42	11·2	..	1007·6	+0·2	306·1	307·8	10th	296·0	294·6	20th	301·1	+0·3	..	323	+15
758	Nhatrang	12 16	109 12	6·8	..	1005·2	−0·2	306·3	308·1	1st	297·6	296·4	19th	302·0	−0·1	..	70	+29
759	Bolinao	16 24	119 53	9·7	..	1005·3	..	303·4	305·5	14th, 23rd	297·0	296·2	2, 4, 31	300·2	..	299·4	788	+166
760	Vigan	17 34	120 23	14·7	..	1005·4	..	303·0	304·6	20th	296·5	294·8	1st	299·8	..	299·6	978	+259
761	Manila	14 35	120 59	14·2	..	1006·5	−0·9	303·6	305·5	3rd	296·9	296·2	13th	300·3	−0·7	299·4	657	+297
762	Ormoc	11 0	124 36	5·6	..	1007·8	..	303·1	304·7	29th	296·8	295·0	8th	300·0	..	300·0	343	+55
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1006·8	..	302·9	305·4	15th	297·0	295·0	30th	300·0	..	..	517	..
		N.	E.															

Between Latitude 10° N. and 0°. AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·4	308·3	10th, 11th	297·8	295·2	14th	301·6	0·0	*300·1*	68	−26
819	Culebra	9 10	79 40	123·1	..	1010·3	+0·2	303·6	306·3	8th	295·2	293·6	12th	299·4	−0·2	..	327	+58
822	Caracas	10 31	66 56	?	898·4	..	..	298·1	299·2	..	289·1	285·0	..	293·6	..	..	110	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·5	..	..	303·1	304·7	1st	294·2	293·6	2, 15, 30	298·7	..	..	110	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·6	1013·8	+1·9	304·1	304·3	24th	297·2	295·8	8th	300·6	+0·2	..	208	+47
826	Paramaribo	5 49	55 9	4	1013·3	1013·7	..	303·9	305·8	4th	295·9	294·4	8th	299·9	..	*299·0*	270	..
826a	Cayenne	4 56	52 21	6	..	..	..	305·1	307·6	29th	295·9	292·8	23rd	300·5	+0·1	..	61	−24
833	Conakry	9 31	13 43	16	1011·9	1013·7	+0·4	301·9	303·6	..	295·0	290·5	..	298·5	+0·5	..	1056	..
834	Sierra Leone	8 30	13 9	68·3	1005·8	1013·7	+0·9	301·3	303·4	21st	295·0	293·4	30th	298·2	−0·5	..	872	−100
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	301·6	..	..	295·7	..	..	298·6	+1·7	..	0	−14
837	Lagos	6 22	E 3 28	7·6	1013·3	1014·2	+0·7	301·7	303·6	..	296·0	294·1	..	298·8	+0·7	..	6	−49
838	Zungeru	9 48	6 10	130	..	1013·0	−0·3	303·5	305·8	4th	295·3	291·9	21st	299·4	+0·8	..	173	−64
838a	Libreville	0 23	9 26	35	..	..	..	302·1	304·2	22nd	294·2	293·0	1, 2, 3	298·2	+0·6	..	77	+62
839	Yola	9 12	12 30	259	..	..	..	303·3	306·9	6th	295·6	291·9	17th	299·4	+1·0	..	265	+68
841	Kafia Kingi	9 22	24 18	596	946·7	1014·1	..	..	..	..	..	..	..	..	..	..	202	..
842	Wau	7 42	28 3	440	..	1011·6	−0·3	..	..	..	293·4	293	sev. dates	..	..	..	162	−49
843	Entebbe	0 5	32 29	1177	884·2	..	+0·4	298·2	300·5	20th	289·2	288·3	7th	293·7	+0·3	..	167	+84
844	Nandi	0 2	35 5	2010	..	..	..	296·2	298·0	3rd	284·4	283·0	12th	290·3	..	..	282	..
845	Harrar	9 42	42 30	1856	..	..	..	296·8	299	10th	287·0	286	sev. dates	291·9	..	..	134	..
851	Cothin	10 0	76 21	2·7	1010·2	1010·5	−0·2	301·5	303·7	14th	296·4	295·1	18th	299·0	−0·2	*298·4*	396	+64
852	Colombo Observatory	6 54	79 53	7·3	1008·1	1008·9	+0·1	303·4	304·3	16th, 30th	297·9	296·4	31st	300·7	+0·5	*300·1*	46	−52
853	Candy	7 18	80 40	504·5	..	..	..	300·6	304·3	12th	294·4	291·6	31st	297·5	+0·4	..	122	−22
855	Medan	3 35	98 41	23·5	..	1008·5	−1·3	..	..	..	..	..	..	..	..	..	75	−107
856	Kota Radja	5 32	95 20	7·1	..	1009·6	..	..	..	..	..	..	..	..	..	..	97	−22
857	Penang	5 34	100 20	5·0	1006·7	1007·3	−2·0	304·2	306·1	8th	296·4	295·2	4th	300·3	0·0	..	471	+183
858	Singapore	1 17	103 51	2·2	1009·4	1009·6	−0·2	303·5	305·2	4th, 11th	297·3	295·8	27th	300·4	+0·3	..	280	+90
860	Sandakan	5 49	118 12	..	..	..	..	304·3	305·2	sev. dates	296·6	296·3	sev. dates	300·5	+0·1	..	192	−23
861	Tagbilaran	9 38	123 51	26·2	..	1007·8	..	305·2	307·9	2nd	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	1007·3	..	304·6	306·9	27th	298·0	295·4	9th	301·3	..	300·5	251	+128
863	Yap	9 29	138 8	31·9	..	1007·1	..	..	..	..	298·8	?294·9	24th	..	..	300·9	79	−11
869	Uyelang	9 42	161 2	< 10	..	..	..	..	..	..	..	..	..	..	..	..	39	..
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·3	1011·4	+2·0	307·1	308·0	6th, 7th	296·1	295·2	11, 21, 24	301·6	+0·4	..	22	— 27
906																		
923	Manaos	3 8	59 59	32·4	1002·9	1006·6	−2·4	..	..	..	..	..	..	301·7	−0·1	..	20	— 25
930	Fernando Noronha	3 51	W32 25	95	1002·2	1013·3	..	..	300·8	..	..	293·4	..	297·9	..	*297·8*	41	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	302·6	306·0	4th	290·3	288·6	3rd	296·5	−0·1	..	2	..
940	Loango	4 38	11 50	? 50	..	..	..	298·8	..	..	293·1	..	..	296·0	..	..	1	..
943	Daressalam	6 49	39 18	7·6	1016·2	1017·0	..	300·7	302·8	28th	292·3	291·0	11th	296·5	..	296·4	15	..
944	Nairobi	1 18	36 59	1660	..	..	..	293·6	298·0	19th	282·7	278·8	19th	288·2	..	..	13	— 11
944*a*	Zanzibar	6 10	39 11	21·9	1016·6	1019·1	+0·3	300·6	302·6	20th	295·8	293·7	13th	298·2	+0·4	..	26	— 17
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	300·6	300·2	1st	291·6	290·2	3rd	296·1	..	..	33	..
947	Seychelles	4 37	55 27	4·6	..	1012·7	−0·2	300·2	301·3	..	297·7	296·2	..	298·9	+0·3	*298·1*	21	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·7	−0·4	..	..	..	..	..	..	..	..	..	302	— 61
957	Batavia	6 11	106 50	8	1009·6	1010·5	0·0	303·9	305·0	5th	296·4	295·0	14th	300·1	+0·6	299·9	30	— 9
958	Pontianak	0 1	109 20	2·6	..	1010·1	+0·8	..	..	..	..	..	..	..	..	..	112	— 119
959	Passeroean	7 38	112 55	5·0	..	1011·0	−0·1	304·0	305·5	..	293·6	292·0	..	298·8	..	*299·4*	0	— 7
960	Kajoemas	7 56	114 9	950	..	..	..	297·5	298·4	17th	289·8	287·9	28th	293·7	..	292·7	0	— 17
961	Koepang	10 10	123 34	3·3	..	1012·6	..	..	..	..	..	..	..	..	..	..	0	— 3
962	Ambon	3 42	128 10	4·2	..	1011·8	+0·8	..	..	..	..	..	..	..	..	..	116	— 416
965	Daru	9 4	143 13	8	..	1013·3	+1·0	300·9	..	..	295·7	..	..	298·3	+0·3	..	21	— 52
966	Port Moresby	9 29	147 9	39	..	1013·3	+1·1	300·5	..	..	295·4	..	..	297·9	−0·7	..	14	— 12
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	344	— 40
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·1	1009·3	−0·5	302·9	304·7	1st	297·3	296·3	1, 18, 19	300·1	+0·4	..	181	— 14
970	Ocean Island	0 52	169 36	27·8	..	1008·1	−0·3	304·3	305·2	29th	297·6	296·3	8, 19, 24	300·9	−0·2	..	33	— 28
		S.	E.															

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

1001		S.	W.															
1002	Apia, Samoa	13 48	171 46	5	..	1011·6	−0·3	..	303·7	..	..	292·9	..	298·9	+0·8	..	56	— 42
1003	Alofi, Niue Island	19 2	169 55	36·6	1013·2	1017·5	−0·1	300·6	304·1	27th	291·1	288·0	13th, 14th	295·8	+0·1	..	174	+ 20
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1013·2	..	302·4	304·8	..	295·3	289·8	..	298·9	..	..	89	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1014·2	1015·4	..	295·8	297·2	26th	284·6	282·3	6th	290·2	+0·3	..	0	..
1022	Arequipa	16 22	71 33	2451	761·9	..	−0·2	293·3	295·8	19th	281·6	278·0	3rd	287·4	+1·0	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	290	+2	..	0	— 4
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·6	−1·3	304·2	308·7	19th	295·0	287·7	30th	299·6	+1·1	..	44	..
1035	St. Helena	15 57	W 5 40	632	947·2	1020·8	−0·7	290·7	293·5	10th	285·3	283·8	21st	288·0	+0·9	287·7	24	— 80
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	863·0	..	..	295·7	300·9	..	278·7	273·4	..	287·2	..	..	0	— 4
1043	Salisbury, Rhodesia	17 49	31 3	1487	860·8	..	..	295·9	300·6	..	279·4	274·8	..	287·6	..	..	0	— 3
1044	Zomba	15 23	35 18	899	910·6	1012·1	+1·5	297·3	300·8	29th	284·7	282·7	7th	291·0	−0·1	..	10	+ 7
1045	Tamatave	18 9	49 26	4	1021·3	1021·7	+0·7	297·8	298·5	..	293·3	291·9	..	295·6	..	..	306	+ 65
1046	Tananarivo	18 55	47 32	1400	869·2	..	+1·3	294·6	298·3	1st	282·6	277·5	9th	288·6	+0·4	287·4	1	— 3
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·7	−0·4	301·7	303·0	22, 23, 27	297·4	295·8	21st, 23rd	299·6	+0·7	..	107	0
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·9	1010·5	+0·1	303·8	304·6	..	296·7	294·8	..	300·3	+0·9	..	16	— 56
1058																		
1061	Derby	17 18	123 40	16·2	..	1015·6	+1·4	303·4	307·9	30th	288·7	282·9	10th	296·1	−0·5	..	0	— 5
1062	Hall's Creek	18 13	127 46	373·4	..	1015·9	+0·7	303·9	309·7	28th, 31st	284·0	275·2	16th	293·9	+0·4	..	0	— 5
1063	Port Darwin	12 28	130 51	29·6	..	1013·3	+1·1	304·7	307·9	21st	293·0	289·8	16th	298·9	−0·4	*297·7*	0	— 5
1064	Daly Waters	16 16	133 23	213	..	1014·0	..	304·6	309·7	29th	286·1	279·1	16th	295·3	−0·3	..	0	— 4
1065	Mein	13 13	142 57	121·9	..	1013·1	..	302·6	304·7	30th	290·0	283·9	15th	296·3	..	..	6	— 5
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	301·9	306·8	29th	285·8	277·3	8th	293·9	..	..	0	— 6
1067	Samarai	10 37	150 40	6·4	..	1014·6	+2·5	299·1	..	..	295·4	..	..	297·2	−0·6	..	58	— 158
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1015·4	+0·1	297·9	301·9	2nd	293·1	288·6	25th	295·5	−0·8	..	168	— 17
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

AUGUST—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·8	300·1	29th	292·1	286·3	13th	294·9	..	..	143	+ 19
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·4	1017·9	..	293·8	295·7	2nd	288·3	285·5	23rd	291·1	..	..	121	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1014·2	1017·2	..	289·5	294·1	23rd	283·0	280·2	21st	286·3	..	..	14	..
1122	Puerto de Antofagasta	23 39	70 25	5	1014·3	1014·9	−0·2	297·3	297·9	15th	283·1	274·5	30th	287·6	−1·6	*287·2*	35	0
1125	Goya	29 9	59 15	64	1011·6	1019·4	..	292·2	304·0	19th	282·9	275·6	30th	287·3	..	287·8	147	..
1126	Porto Alegre	30 2	51 13	26	1016·3	1017·6	..	291·6	305·5	19th	282·9	275·6	30th	287·3	..	287·8	147	..
1127	Curityba	25 26	49 16	908	915·0	1017·6	−3·4	293·3	301·3	17th	280·7	270·3	31st	287·0	+0·1	287·0	62	— 31
1128	Rio de Janeiro	22 54	W43 10	64	..	1017·2	−2·0	298·1	305·3	18th, 20th	291·2	287·1	31st	294·7	+0·8	..	61	+ 14
1139	Windhuk	22 34	E17 5	1665·3	837·5	..	..	297·1	302·4	29th	282·4	277·1	4th	289·8	..	289·8	0	..
1140																		
1141	Johannesburg	26 11	28 4	1874	827·7	..	+0·9	292·2	297·9	25th	279·6	272·5	31st	285·9	+0·3	*285·5*	0	— 5
1142	Kimberley	28 43	28 46	?1232	887·4	..	+1·1	..	..	..	..	..	..	..	..	..	..	..
1142*a*	Pretoria	25 45	28 11	1576	874·5	..	+1·1	296·5	302·4	29th	277·2	272·2	2nd	286·8	+0·1	..	0	— 6
1143	Durban	29 51	31 0	79·9	1012·5	1022·1	−0·6	295·7	299·9	13th	285·1	272·9	3rd	290·4	−1·8	..	14	— 30
1144	Lorenzo Marques	25 58	32 36	59	..	1022·7	+2·6	298·1	310·2	30th	287·0	283·0	6th, 7th	292·5	−0·5	292·0	3	— 8
1147	Mauritius	20 6	57 33	54·3	1014·0	1020·4	0·0	296·9	298·1	24th	289·3	286·1	24th	293·1	−0·2	292·8	45	— 19
1148																		
1159	Onslow	21 43	114 57	4·3	..	1016·0	−0·2	301·4	303·3	15th, 23rd	284·6	279·1	6th	293·0	+1·1	..	0	— 11
1160	Peak Hill	25 38	118 47	588·3	..	1016·7	−0·9	296·7	302·0	28th	283·0	278·0	10th	289·8	+2·0	..	0	— 17
1161	Nullagine	21 53	120 5	385·6	..	1016·7	0·0	301·4	306·3	29th, 31st	282·4	274·1	9th	291·9	+1·3	..	0	— 12
1162	Laverton	28 40	122 23	466·3	..	1019·4	−0·4	294·8	302·2	28th	279·7	273·6	1st	287·3	+1·4	..	0	— 16
1163	Alice Springs	23 38	133 37	587·0	..	1017·7	−0·1	296·7	302·6	23rd	279·9	271·4	15th	288·3	+0·6	*288·1*	7	— 3
1164	William Creek	28 55	136 21	76·2	..	1019·1	..	294·7	304·7	21st	281·1	274·1	15th	287·9	+1·5	..	0	— 8
1165	Boulia	22 55	139 38	145·7	..	1017·0	+0·7	298·8	304·8	26th, 31st	283·1	278·0	16th, 17th	290·9	+1·4	..	0	— 6
1166	Mitchell	26 32	147 52	337·1	..	1018·1	..	294·8	299·7	23rd, 24th	277·5	273·0	6, 8, 9	286·2	..	..	14	— 8
1167	Rockhampton	23 24	150 30	11·3	..	1019·1	+0·4	298·1	302·9	28th	284·9	279·1	8th	291·5	+0·6	..	0	— 27
1168	Brisbane	27 28	153 2	41·7	..	1019·0	+0·2	295·4	299·9	28th	283·4	278·9	31st	289·4	+0·6	..	34	— 27
1169	Noumea	22 16	166 27	9	1013·5	1014·5	..	298·0	301·6	30th	290·5	288·4	4th	294·3	+1·2	..	89	+ 22
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

Between Latitude 30° S. and 40° S.

AUGUST—ZONE 12.

1219		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	1019·4	1020·6	−1·1	288·3	291·9	31st	283·3	280·0	16th, 19th	285·8	+0·4	..	213	+103
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1013·0	1017·8	+0·1	289·2	297·6	31st	282·2	279·2	21st	285·7	−1·1	..	101	+ 20
1222	Santiago	33 27	70 42	520	957·0	1018·6	−0·5	288·8	297·5	31st	277·5	274·3	29th	283·2	+0·1	282·3	50	— 9
1223	Cordoba	31 25	64 12	439	967·3	1019·7	−0·1	289·6	300·7	4th	277·6	269·4	30th	283·6	−2·1	283·0	59	+ 48
1224	Buenos Ayres	34 16	64 11	25·2	1015·3	1018·4	+0·5	286·2	293·9	24th	278·5	271·6	6th	282·4	−2·2	282·6	126	+ 67
1225	Rio Grande	32 2	52 6	2·3	1015·2	1015·5	..	287·8	295·1	25th	283·2	276·4	30th	285·5	..	..	186	..
1226	Montevideo	34 52	W56 12	29·3	..	1017·0	−1·6	..	293·9	14th	..	276·0	7th	..	+0·1	283·2	112	+ 41
1239	Cape Town	33 56	E18 29	9	1019·8	1020·9	+0·7	290·5	297·8	6th	282·0	276·3	31st	286·3	+0·4	..	89	+ 1
1240	Danger Point	34 37	19 18	20	..	..	..	290·1	295·2	7th	284·6	278·6	31st	287·3	..	..	72	..
1241	Heidelberg	34 5	20 58	1541	855·7	..	+2·4	294·7	299·9	29th	273·2	267·4	1st	284·0	−0·5	..	2	— 35
1242	East London	33 2	27 55	10·1	1018·6	1019·8	+0·3	293·5	305·8	30th	282·9	278·6	6th	288·2	−0·7	..	7	— 32
1259	Perth (Observatory)	31 57	115 51	60·0	..	1019·3	+0·4	291·4	297·6	28th	282·5	278·2	21st	286·9	+0·7	..	68	— 74
1260	Katanning	33 42	117 35	309·7	..	1016·7	−1·7	289·5	297·1	28th	279·1	274·3	21st	284·3	+0·9	..	33	— 29
1261	Coolgardie	30 57	121 10	423·3	..	1018·6	−0·8	293·4	302·1	19th	279·2	274·8	2nd	286·3	+1·5	..	1	— 23
1262	Eucla	31 45	128 58	4·6	..	1017·7	−0·5	294·1	306·3	20th	280·0	275·2	7th	287·1	+0·6	..	7	— 18
1263	Streaky Bay	32 48	134 13	13·1	..	1017·6	−1·9	291·2	295·3	25th	282·7	276·9	18th	286·9	+1·6	..	37	— 12
1264	Adelaide	34 56	138 35	42·7	..	1018·1	−1·2	289·6	294·7	20th, 25th	281·3	275·6	14th	285·4	+0·3	..	54	— 6
1265	Melbourne	37 49	144 57	35·1	..	1017·4	−0·8	288·4	295·0	21st	280·0	274·6	31st	284·2	+0·7	..	42	— 4
1266	Bourke	30 13	145 58	110·1	..	1020·3	+1·0	293·7	302·3	24th	280·4	273·4	30th	287·1	+0·4	..	3	— 21
1267	Sydney	33 51	151 13	44·5	..	1017·8	−0·7	290·0	294·3	23rd	281·9	278·6	30th	286·0	+0·3	..	46	— 38
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	174	+ 33
1271	Auckland	36 50	174 50	38·1	..	..	..	286·6	288·8	30th	279·7	274·1	13th	283·1	−1·1	..	91	— 14
1272		S.	E.															

Between Latitude 40° S. and 50° S.

AUGUST—ZONE 13.

1301		S.	W.															
1302	Chatham Island	43 52	170 42	58	..	..	..	283·0	286·3	31st	276·9	273·0	twice	279·9	−0·7	..	70	— 3
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	283·7	285·3	14th	278·1	275·0	4th	280·9	..	..	256	..
1323	Punta Galera	40 1	73 44	40	1013·4	1018·3	..	286·0	288·3	16th	279·0	276·0	5th	282·5	..	..	233	..
1324	Bahia Blanca	38 45	W62 12	20	1017·7	1020·1	+1·5	287·0	296·4	24th	277·1	268·0	6th	282·1	−0·2	*281·3*	23	— 5
1365	Hobart	42 53	E147 22	48·8	..	1011·7	−2·1	286·6	293·5	21st	278·4	274·5	14th	282·5	+0·7	..	32	— 15
1366	Launceston	41 27	147 10	9·4	..	1013·9	..	286·8	290·8	21st	277·4	271·8	29th	282·1	+1·2	..	84	+ 14
1369																		
1370	Dunedin	45 52	170 31	90	..	1013·9	+1·5	284·2	289·7	11th	276·0	273·0	4 dates	280·1	+0·7	..	44	— 44
1371	Christchurch	43 32	172 38	7·6	..	1016·4	+2·5	284·1	289·3	9th	274·4	268·0	13th	279·3	−0·7	..	18	— 40
1372	Wellington	41 16	174 46	2·4	..	1018·6	+4·5	285·6	289·7	25th	278·3	271·4	14th	281·9	−0·2	..	40	— 81
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1005·4	1012·3	..	..	..	..	273·1	270·2	2nd	276·7	..	..	106	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1010·8	1011·3	+10·5	277·8	283·3	31st	271·9	268·9	20th	274·9	−1·0	274·9	8	−24
1423	Punta Dungeness	52 24	68 25	5	1009·9	1010·5	..	278·1	282·9	23rd	273·2	268·2	22nd	275·7	..	..	2	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1008·9	+4·9	277·2	280·2	1st, 31st	272·4	268·0	4th	274·8	−1·2	275·1	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	997·8	998·3	−1·6	273·2	280·5	1st	266·4	259·7	13th	269·8	−1·9	*269·7*	97	−19
1430		S.	W.															

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	996·6	997·5	+2·4	264·7	273·6	1st	254·5	240·4	14th	259·6	−3·8	259·8	28	−8
1528																		

AUGUST—ZONE 16. Between Latitude 70° S. and 80° S.

1669																		
1670	CapeEvans(McMurdo Sound)	S. 77 38	E. 166 24	18	..	986·5	+0·7	..	265·1	..	..	238·6	..	..	+6·4	253·5	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
			9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
		m/s.											m/s.
1	SE	5·2	SE 4	E 4	Calm 0	SW 3	E 7	E 5	Calm 0	E 3	E 2	NE	2·0
2	SE by S	8·5	SE 3	E 3	Calm 0	SW 2	E 8	E 6	SE 3	E 3	E 3	Calm	2·7
3	SE by S	9·4	SE 3	SE 2	Calm 0	SW 2	E 6	E 5	SE 4	NE 2	NE 2	W	0·8
4	SE by S	8·4	SE 2	SE 4	SW 2	SW 2	E 8	E 6	SE 4	NE 2	NE 2	E	1·0
5	SE	6·0	SE 3	SE 2	SW 2	SW 4	E 4	E 3	SE 3	N 3	NE 3	NE	2·9
6	SE by E	5·4	SE 4	SE 1	SW 2	SW 2	Calm 0	Calm 0	SE 3	NE 4	NE 2	NE	8·0
7	ESE	3·7	SE 3	SE 3	Calm 0	Calm 0	Calm 0	E 1	Calm 0	NE 1	NW 2	NW	0·7
8	SE by E	3·5	SE 4	SE 3	S 2	SW 2	E 2	E 2	ESE 1	NW 3	N 2	NE	1·0
	SE by E	2·5	SE 2	SE 1	W 2	SW 2	E 3	NE 3	Calm 0	NE 3	NE 2	SE	0·5
9	SE by E	2·7	NW 2	NW 1	Calm 0	S 3	E 2	E 2	ESE 2	NE 3	NE 2	E	0·8
10	SE by E	3·5	NW 3	SE 3	Calm 0	Calm 0	E 3	E 3	SE 4	NE 2	NE 3	NE	3·2
11	SE by S	8·3	SE 5	SE 3	SW 2	SW 4	E 4	E 9	SE 3	NE 3	NE 2	NE	1·1
12	ESE	9·3	SE 4	Calm 0	Calm 0	SW 4	E 6	E 7	Calm 0	NE 3	E 3	NE	1·3
13	SE by S	7·0	SE 2	Calm 0	Calm 0	SW 2	Calm 0	E 7	Calm 0	NE 2	NE 3	E	1·6
14	SE by S	6·1	SE 2	SE 3	Calm 0	SW 2	E 1	E 3	Calm 0	NE 3	SE 2	NE	3·9
15	SE by S	10·2	SE 3	SE 4	SW 2	W 4	NE 3	NE 2	Calm 0	SE 3	SE 2	N	4·5
16	SSE	9·8	SE 3	SE 3	Calm 0	SW 3	E 4	E 6	Calm 0	SE 2	SE 3	W	5·3
17	SSE	7·0	SE 3	SE 2	SW 4	SW 4	E 8	E 5	SSE 1	E 2	SE 2	S	6·3
18	SE by S	7·7	SE 4	SE 3	Calm 0	SW 2	E 6	E 4	SE 2	SE 3	SE 4	SW	3·1
19	SE by S	6·6	SE 4	SE 2	Calm 0	SW 2	E 10	E 8	SE 3	NE 3	NE 3	NW	0·5
20	SE by S	7·3	SE 4	SE 3	SW 3	S 2	E 5	E 3	SE 2	NE 3	NE 3	E	0·1
21	SE by S	3·5	SE 2	SE 1	SW 2	W 2	E 8	E 4	SE 4	NE 2	NE 2	Calm	1·6
22	SSE	3·4	S 2	SE 1	SW 3	SW 2	NE 8	NE 5	SE 4	NE 1	NE 1	SW	1·8
23	SSE	9·2	SE 1	SE 4	Calm 0	SW 2	E 5	E 5	SE 4	NE 2	NE 2	SW	1·5
24	SE by S	10·1	ESE 4	SE 4	Calm 0	Calm 0	E 7	E 2	SE 4	SE 3	E 3	SW	1·0
25	SE by S	11·8	SE 4	SE 4	W 2	SW 2	E 8	E 3	SE 4	NE 4	NE 3	W	0·7
26	SE by S	12·1	SE 4	SE 3	Calm 0	SW 2	E 4	E 4	SE 3	NE 3	NE 2	Calm	7·6
27	SSE	10·1	SE 4	SE 4	Calm 0	SW 2	E 8	E 10	SE 4	NE 2	NE 2	E	2·5
28	SE by S	11·2	SE 5	SE 6	W 2	W 2	E 10	E 6	SE 3	NE 3	NE 2	E	1·5
29	SE by S	13·1	SE 4	SE 1	Calm 0	Calm 0	E 8	E 5	SE 2	NE 2	NE 3	N	2·0
30	SE by S	14·4	SE 3	SE 2	Calm 0	SW 3	E 8	E 3	SE 1	NE 2	NE 2	NE	0·8
31													
Mean for month	..	7·6	3·2	2·6	1·0	2·2	5·3	4·3	2·2	2·6	2·4	..	2·3
Deviation from Normal	..	−0·7	..	..	..	..	+1·5		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1912.

**The Seas round Novaja Zemlja and Spitsbergen.*—"*Kara Strait* was open, but in *Kara Sea* was unbroken ice. Steamers from the Behring Sea reached the mouth of the Lena. In the north Barents Sea the ice-edge was further south than usual, but broken; Franz Joseph Land was unattainable."

**Spitsbergen.*—"Bell Sound, Storfiord, Icefiord, and Green Harbour were blocked; the seas round Prince Charles Foreland and Cross Bay were ice-free."

**Angmagsalik.*—"Off the coast the sea was ice-free, but with numerous icebergs in the distance."

**Iceland.*—"The coasts were nearly ice-free."

North Atlantic and Labrador.—"The number of icebergs on the *Newfoundland Banks* decreased considerably; the limits were 41° 45′ N., 40° 15′ W. Ice was still more abundant than usual for the season. In Belle Isle Strait icebergs were numerous and there was an ice-field."

**Davis Strait.*—"The sea was open at Cape Farewell, with only a little 'Storis' as far as Arsuk, and, except for icebergs, to Upernivik."

**Behring Sea* was ice-free.

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. SEPTEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1010·7	1011·6	..	..	..	..	..	..	..	271·5	..	..	8	..
124																		
125	Upernivik	72 47	W56 7	18·9	1009·4	1011·7	+ 3·7	276·8	279·2	7th, 8th	272·7	271·2	4th, 23rd	274·8	+1·4	..	27	0
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1011·6	1013·1	+ 1·8	..	277·1	23rd	267·8	261·6	21st	270·1	..	..	25	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1010·0	1010·8	+ 2·3	..	283·1	3rd	275·3	270·9	24th	..	−1·8	*277·8*	48	− 21
142	Mehavn	71 1	27 47	6·4	1010·7	1011·5	..	..	283·7	3rd	275·6	270·8	24th	..	..	*278·1*	88	0
143	Vardö	70 22	31 8	10·0	1010·3	1011·5	+ 2·0	..	285·0	2nd	275·9	271·6	28th	..	−1·5	277·8	94	+ 40
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1009·5	1011·4	+ 3·9	..	278·5	16th	270·6	266·1	22nd, 29th	272·8	−1·7	272·7	26	− 19
148		N.	E.															

Between Latitude 70° N. and 60° N. SEPTEMBER—ZONE 2.

203	Nome	64 30	165 24	6·7	1004·0	1004·8	..	282·3	287·4	..	275·2	268·6	..	278·8	..	..	25	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	283·6	293·0	..	274·3	266·3	..	279·0	..	..	29	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	283·3	293·6	..	276·7	273·6	..	280·0	..	..	476	..
208	Eagle	64 46	141 12	248	974·0	1003·9	..	286·3	292·4	..	271·8	261·9	..	279·1	..	..	19	..
209	Dawson	64 4	139 20	321	..	..	..	..	..	..	..	..	..	..	..	..	..	..
210	Carcross	60 11	134 34	662	..	..	..	285·9	293·0	15th	276·0	266·9	22nd	280·9	..	..	12	..
211																		
212	Fort Simpson	61 52	120 43	129	996·0	1011·8	..	289·6	295·8	14th	273·9	267·0	23rd	281·8	..	*282·2*	5	..
213	Hay River	60 51	115 20	161	993·2	1012·7	..	287·9	300·8	17th	276·6	267·4	24th	282·3	..	..	4	..
214	Fort Resolution	61 0	113 0	240	..	..	..	287·0	298·6	16th	277·4	269·1	23rd	282·2	..	..	3	..
225	Jacobshavn	69 13	51 2	12·6	1009·6	1011·1	+ 4·0	278·9	285·6	10th	273·3	267·7	22nd	276·1	+0·7	..	67	+ 32
226	Godthaab	64 11	51 44	9	1006·3	1007·4	+ 1·7	..	..	..	275·3	271·8	21st	277·1	+1·2	..	34	− 51
229	Angmagsalik	65 37	37 34	31·7	1009·2	1013·2	..	281·0	286·6	13th	274·3	270·3	8th	277·7	..	..	151	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1013·4	1014·7	+ 8·4	283·7	286·3	11th, 22nd	279·2	273·7	8th	281·5	+1·5	..	81	+ 5
232	Vestmanno	63 26	20 15	7·7	1014·8	1015·7	+ 9·4	280·4	286·0	12th	279·7	275·4	20th	281·9	+0·7	..	167	+ 21
233	Grimsey (Akureyri)	66 33	17 58	6·8	1015·8	1016·6	+ 9·1	282·3	289·2	24th	276·3	272·4	8th	279·3	+0·9	..	1	− 41
234	Berufjord	64 40	14 19	18	1014·7	1016·9	+ 9·7	283·8	288·2	19th	278·0	272·0	8th	280·9	+1·2	..	116	+ 7
235	Thorshavn	62 3	6 45	25·7	1017·0	1020·2	+11·2	284·2	287·0	23rd, 24th	280·2	275·1	10th	282·2	+0·1	..	35	−100
236	Lerwick	60 9	W 1 8	18·0	1017·9	1020·2	+ 9·8	284·2	286·3	23rd	281·1	277·4	8th	282·7	−0·7	..	46	..
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1013·0	1018·5	+ 7·3	..	291·5	11th	280·5	277·6	26th	..	−1·6	*282·9*	87	−143
238	Christiansund	63 7	7 45	17·8	1015·8	1018·0	+ 7·7	..	287·7	4th	280·6	277·6	27th	..	−1·2	*282·6*	83	− 50
239	Trondhjem	63 26	10 25	39·5	1013·0	1017·9	+ 7·4	..	289·8	5th	279·0	274·4	28th	..	−1·5	*281·5*	84	− 3
240	Bodö	67 17	14 24	20·5	1012·2	1014·6	+ 5·2	..	284·8	8th	278·1	273·8	27th	..	−1·6	*280·4*	135	+ 20
241	Haparanda	65 50	24 9	9·2	1011·2	1012·3	+ 1·9	282·6	292·0	10th	276·9	271·0	23rd	279·8	−1·0	..	72	+ 17
242	Helsingfors	60 10	24 57	11·7	..	1013·2	+ 0·5	..	289	..	..	272	..	282·1	−1·8	*282·0*	101	+ 41
242a	Kuopio	62 54	27 40	99·7	..	1013·4	..	..	289	..	..	269	..	281·2	−1·1	*281·1*	123	+ 97
243	Kola	68 53	33 1	6·7	1011·2	1012·0	+ 2·9	280·7	289·6	10th	275·1	268·5	27th	277·9	−1·3	..	68	+ 42
244	Petrozavodsk	61 47	34 23	38·9	..	1014·4	+ 2·0	..	297	..	..	274	..	282·5	+0·3	*282·4*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1015·2	+ 4·2	..	296	..	..	270	..	282·1	+0·7	*281·9*	75	+ 24
246	Velsk	61 5	42 7	? 87	1008·0	1018·7	..	..	299·0	2nd	277·7	265·8	25th	282·2	..	*282·0*	14	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1016·8	+ 5·7	..	297	..	..	264	..	280·8	+1·7	*280·6*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	1005·8	1021·0	..	..	298·3	7th	274·9	264·0	28th	280·7	..	*280·5*	26	..
249	Berezov	63 56	65 4	39·7	1014·7	1019·6	+ 8·5	..	296·0	3rd	275·2	261·5	29th	279·9	+1·1	*279·7*	29	− 10
250	Obdorsk	66 31	66 35	23·7	1013·8	1016·7	+ 7·1	..	290·9	8th	273·2	264·7	25th	277·1	−0·9	*276·9*	19	..
251	Sourgout	61 15	73 24	? 40	1015·5	1020·4	+ 9·1	..	296·3	19th	275·7	266·8	25th	280·0	−0·8	*279·8*	8	..
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1008·8	1011·3	..	..	286·9	1st	267·1	252·8	29th	270·4	..	*270·3*	75	..
261	Olekminsk	60 22	120 26	? 202	995·9	1020·7	− 4·1	..	288·0	7th	274·9	269·1	28th	278·4	−1·2	*278·3*	33	..
262	Iakoutsk	62 1	129 43	? 108	1000·8	1014·2	− 0·1	..	291·4	2nd	273·2	267·8	29th	278·4	−0·6	*278·3*	9	− 17
263	Verkhoïansk	67 33	133 24	? 100	994·0	1006·5	− 2·7	..	291·6	5th	267·6	258·7	27th, 29th	273·6	−2·1	*273·5*	29	+ 21
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	292·5	1st	273·6	267·4	11th	280·6	..	*280·5*	7	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302		N.	W.															
303	Dutch Harbor	53 54	166 32	4·0	..	..	..	283·6	290·8	..	278·7	271·9	..	281·2	..	..	173	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1010·6	1013·9	+ 3·6	288·2	294·7	..	280·6	275·8	..	284·4	−0·3	..	210	− 36
310	Prince Rupert	54 18	130 18	52	..	1015·3	..	289·3	297·4	14th, 15th	282·1	277·4	22nd	285·7	..	..	213	..
311	Barkerville	53 2	121 35	1274	..	1019·0	..	284·9	291·9	11th, 14th	274·3	269·7	23rd, 28th	279·6	−0·8	*279·5*	29	− 64
312	Kamloops	50 41	120 29	379	..	1016·7	+ 0·8	292·8	300·6	2nd	280·3	276·1	28th	286·6	−0·9	*286·4*	22	− 3
313	Calgary	51 2	114 2	1033	..	1017·1	+ 3·2	287·2	295·2	11th	274·9	269·1	15th, 29th	281·1	−2·1	*281·1*	71	+ 42
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	..	..	..	..	..	..	..
315	Prince Albert	53 10	106 0	436	..	1014·6	+ 3·4	287·9	298·6	11th	275·9	268·0	28th	281·9	−0·6	*281·9*	55	+ 18
316	Qu'Appelle	50 30	103 47	645	..	1016·1	+ 2·6	286·9	296·3	11th	274·8	267·4	15th	280·9	−3·3	*280·5*	42	− 2
317	Minnedosa	50 15	99 50	518	..	1015·4	..	287·9	296·1	3rd	277·5	269·7	29th	282·7	−1·4	*281·9*	79	+ 41
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318*a*	York Factory	57 0	92 28	11	1012·6	1013·9	+ 1·1	..	291·3	1st, 11th	276·6	269·7	28th	280·1	−0·5	..	..	..
319	Fort Hope	51 32	87 48	..	982·7	..	..	286·4	294·7	1st	278·0	270·2	27th	282·2	..	..	133	..
320	Moose Factory	51 16	80 56	9	1013·4	1014·5	..	289·1	297·4	3rd	279·4	272·4	30th	284·2	..	..	51	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
325	Davis Inlet	55 50	60 50	..	1006·7	..	..	284·6	296·9	24th	275·3	270·2	18th	280·0	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	290·2	25th	..	277·4	23rd	282·3	−1·6	..	33	− 54
327	Belle Isle	51 55	55 20	133	996·6	1013·1	..	277·7	281·9	20th, 27th	275·2	273·0	30th	276·5	..	..	36	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1020·0	1021·5	+ 6·5	288·0	291·3	18th	283·2	278·0	13th	285·6	−1·1	285·7	88	− 27
335	Aberdeen	57 10	2 6	27·4	1018·5	1021·8	+ 9·2	285·8	291·3	16th	280·8	275·2	3rd	283·3	−1·4	283·3	45	− 24
336	Greenwich	51 28	W 0 0	48·5	1015·8	1021·7	+ 6·2	289·0	293·6	4th	281·1	275·8	27th	285·1	−2·5	285·0	54	− 1
337	Uccle	50 48	E 4 22	100	1008·7	1020·0	+ 3·6	288·1	291·0	4th	279·9	274·4	26th	284·0	−3·9	*283·5*	87	+ 17
338	De Bilt	52 6	5 11	3·0	1020·3	1020·7	+ 5·9	288·4	291·9	5th	280·0	274·2	26th	284·2	−4	283·7	99	+ 33
338*a*	Hamburg	53 33	9 59	26·0	1016·0	1019·2	+ 3·8	286·9	290·0	3rd	280·9	276·3	20th	283·9	−3·4	283·6	70	+ 8
339	Copenhagen	55 41	12 36	5·0	1017·1	1017·7	+ 2·9	286·3	290·8	1st	281·2	277·8	20th	283·8	−2·1	..	29	− 20
340	Potsdam	52 23	13 4	84·9	1008·4	1018·6	+ 2·2	287·6	291·7	3rd	279·1	274·9	20th	283·4	−3·4	282·7	49	− 5
340*a*	Upsala	59 51	17 38	24·0	1012·7	1015·7	+ 3·6	286·2	290·2	21st	276·5	268·2	25th	281·4	−2·1	281·2	20	− 29
341	Warsaw	52 15	21 1	120	1002·4	1017·0	+ 0·6	..	..	3rd	279·6	274·4	30th	282·9	−4·5	*282·8*	81	+ 31
342	Jurjev	58 23	26 43	74·5	1005·6	1014·8	+ 1·3	285·2	294·5	1st, 5th	279·1	270·5	29th	282·1	−2·2	*281·8*	80	+ 20
343	Petrograd	59 56	30 16	4·8	..	1013·4	+ 0·6	..	297	..	..	273	..	283·0	−0·7	*283·0*	178	+ 126
344	Kiev	50 27	30 30	182·9	..	1015·6	− 1·2	..	297	..	..	274	..	285·1	−1·8	*284·9*	58	+ 13
344*a*	Moscow	55 45	37 34	156	..	1018·4	+ 3·2	..	300	..	..	268	..	283·8	−0·3	*283·7*	48	− 7
345	Saratov	51 32	46 3	59·9	..	1021·4	+ 5·6	..	303	..	..	273	..	288·8	+1·5	*288·6*	24	− 8
346	Kazan	55 47	49 8	79·8	1013·2	1023·1	+ 7·9	..	302·4	9th	..	270·3	29th	285·7	+1·7	*285·6*	37	− 3
347	Orenburg	51 45	55 6	114·1	..	1025·1	+ 7·7	..	300	..	..	273	..	287·4	+1·2	*287·2*	8	− 24
348	Perm	58 1	56 15	163·0	..	1024·2	..	..	299	..	..	269	..	283·1	+1·1	*282·9*	17	− 43
349	Ekaterinburg	56 50	60 38	288·9	..	1025·9	+11·3	..	298	..	..	267	..	283·2	+1·5	*283·1*	9	− 28
350	Tobolsk	58 12	68 14	108·3	1011·0	1024·3	..	..	298·1	19th	277·6	266·8	26th	282·8	+0·7	*282·6*	13	− 33
351	Akmolinsk	51 12	71 23	? 347	982·3	1024·3	+ 6·3	..	297·8	15th	276·5	267·1	27th	283·4	−1·1	*283·2*	12	− 17
352	Omsk	54 58	73 23	87·9	1012·8	1023·6	+ 7·3	..	297·5	21st	276·8	266·9	30th	283·2	−0·5	*283·0*	11	− 12
353	Barnaoul	53 20	83 47	162·2	1002·8	1022·8	+ 5·3	..	296·5	21st, 23rd	275·1	265·4	27th	282·1	−1·1	*281·9*	17	− 7
354	Tomsk	56 30	84 58	121·6	1006·8	1021·8	+ 5·6	..	296·9	23rd	275·5	268·3	18th	280·7	−1·5	*280·5*	37	+ 3
355	Minousinsk	53 43	91 41	? 255	992·2	1023·4	..	..	294·4	16th	273·6	265·6	12th	280·3	..	*280·1*	16	− 12
356	Eniseisk	58 27	92 11	84·4	1008·8	1019·3	+ 2·1	..	293·8	20th	274·8	267·7	27th	280·1	−1·2	*279·9*	25	− 18
357	Irkutsk	52 16	104 19	467·0	964·7	1021·1	+ 2·0	..	293·8	16th	272·7	267·5	20th	279·3	−2·3	*279·2*	10	− 30
358	Kirensk	57 47	108 7	? 263	985·2	1017·3	..	..	291·4	25th	274·4	265·6	29th	278·7	..	*278·6*	61	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	287·5	6th, 7th	272·3	266·2	14th	276·7	..	*276·6*	47	..
360*a*	Nertchinsk	51 59	116 35	484·3	955·5	1013·3	..	..	293·3	18th	273·7	266·9	25th	280·4	−4·6	*280·4*	21	..
361	Tygan Ourkan	54 5	124 46	? 370	969·0	1013·6	..	..	290·6	6th	272·8	265·9	26th	278·8	..	*278·7*	66	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	292·7	13th	275·7	266·2	26th	281·8	..	*281·7*	63	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·2	1012·8	+ 0·9	286·3	290·0	..	277·1	267·2	..	282·3	−1·6	*282·2*	43	− 25
366	Okhotsk	59 21	143 17	6·0	1013·4	1014·1	+ 2·9	283·8	288·9	..	275·9	273·3	..	279·9	−1·5	*279·8*	21	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	1000·7	1011·4	+ 0·1	283·6	288·3	..	278·4	276·0	..	281·0	−2·5	..	104	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a		a.	a		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1016·5	+0·3	292·2	298·8	14th	281·8	278·4	24th	287·0	+0·3	286·6	17	− 37
412	Portland, Oregon	45 32	122 41	46·6	1010·9	1016·2	−0·7	295·4	301·9	11th	284·2	278·6	24th	289·8	+0·9	*289·4*	30	− 18
413	Macleod	49 44	113 24	954	..	..	..	288·2	296·6	12th	276·1	269·7	28th	282·2	−2·5	*282·0*	51	+ 22
414	Helena	46 34	112 4	1253	876·3	1018·9	+4·1	288·2	296·3	18th	276·7	270·2	29th	282·4	−4·0	*282·3*	44	+ 18
414*a*	Salt Lake City	40 46	111 54	1331	868·3	1015·6	+1·4	293·2	301·3	2nd	281·7	275·2	21st	287·4	−3·9	*287·6*	25	+ 3
415	Cheyenne	41 8	104 48	1856	814·9	1017·3	+2·7	288·9	300·2	3rd	276·1	267·4	25th	282·5	−4·4	*282·4*	99	+ 76
416	North Platte	41 8	100 45	860	918·3	1017·3	+2·4	294·3	308·0	7th	280·7	270·2	30th	287·5	−2·8	*287·3*	52	+ 13
416*a*	Bismarck	46 47	100 38	510·2	956·0	1016·6	+2·7	290·6	307·4	4th	278·3	268·6	29th	284·4	−2·5	*284·3*	61	+ 30
417	Winnipeg	49 53	97 7	231·6	..	1014·6	+0·7	289·6	303·0	5th	280·1	269·8	29th	284·8	−0·3	*283·3*	139	+ 91
418	Duluth	46 47	92 6	345·3	973·4	1014·5	−0·7	290·1	299·7	7th	281·2	271·9	29th	285·7	−1·1	*285·6*	46	− 46
419	Port Arthur	48 27	89 12	196·3	..	1015·2	0·0	290·4	299·1	12th	280·6	271·3	28th	285·5	+0·9	*285·4*	126	+ 45
420	Chicago	41 53	87 37	250·9	987·1	1016·9	−0·3	296·5	307·4	5th	289·2	276·9	26th	292·8	+1·7	*292·7*	83	+ 5
421	Toronto	43 40	79 24	106·7	..	1016·8	−0·8	294·7	306·7	10th	285·4	275·4	30th	290·1	+1·1	289·3	83	+ 11
422	New York	40 43	74 0	111·3	1007·0	1018·3	−0·3	295·5	304·1	11th	288·2	276·9	30th	291·8	−0·3	292·2	86	− 5
423	St. John, N.B.	45 17	66 4	21·3	..	1017·9	+1·0	289·4	294·8	11th	282·2	276·6	22nd	285·8	−0·9	*285·5*	88	− 5
424	S. W. Point, Anticosti	49 24	63 35	9	1015·0	1016·0	..	283·8	285·8	26th	277·8	274·1	16th, 17th	280·8	..	..	28	..
425																		
426	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	St. Johns, Newfoundland	47 34	52 42	38·1	..	1013·0	−2·6	286·0	293·0	12th	278·9	273·6	25th	282·4	−2·7	..	144	+ 55
435	Madrid	40 24	3 41 W	655·4	942·4	1017·4	+0·6	299·9	307·9	6th	283·9	277·1	29th	291·9	−1·3	290·9	63	+ 30
436	Nantes	47 15	1 34	41·4	..	1020·7	+2·8	290·4	293·7	18th	281·4	278·0	24th, 26th	285·9	−4·0	*285·4*	46	− 1
437	Paris (Parc St. Maur)	48 49	2 29 E	50·3	..	1021·2	+4·0	289·6	294·1	4th	279·5	273·9	27th	284·6	−5·7	282·1	9	− 41
438	Marseilles	43 18	5 23	75·0	..	1016·6	+0·4	293·3	298·2	5th	283·5	279·1	26th	288·4	−4·0	*287·9*	91	+ 40
438*a*	Zürich	47 23	8 33	493·2	962·5	1021·5	+3·5	..	292·5	30th	..	276·6	22nd	282·1	−5·1	..	51	− 59
439	Rome	41 54	12 29	63·4	..	1015·1	−1·6	295·8	300	1st	286·2	282	27, 28, 29	291·0	−3·0	..	36	− 35
440	Vienna	48 15	16 22	202·5	993·3	1017·7	−0·1	285·9	290·7	4th	281·2	276·6	27th	283·6	−4·7	*283·3*	94	+ 50
440*a*	Buda-Pesth	47 30	19 2	129·6	1001·2	1017·0	−0·5	288·3	294·1	5th	281·2	275·5	29th	284·8	−4·6	..	109	+ 56
441	Bucharest	45 25	26 6	82	1005·4	1015·1	−2·1	..	302·1	2nd	..	278·7	18th	287·8	−2·8	..	129	+ 98
442																		..
443	Odessa (University)	46 29	30 46	65·3	1008·6	1016·6	−0·9	291·8	297·7	13th	285·4	278·7	29th	288·6	−1·9	*288·2*	73	+ 39
444	Kharkov (University)	50 0	36 14	140	..	1018·0	+1·9	..	300	..	..	275	..	286·8	−0·7	286·6	75	+ 40
444*a*	Novorossiisk	44 40	37 49	37	..	1015·4	..	..	300	..	..	280	..	292·7	+0·3	*292·5*	12	− 38
445	Tiflis	41 43	44 48	409	..	1017·1	+1·5	..	305	..	..	286	..	295·5	+3·0	*295·4*	7	− 43
446	Astrakhan	46 21	48 2	−14	..	1019·1	+2·1	..	301	..	..	276	..	291·9	+1·1	*291·7*	13	− 2
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1016·7	..	..	306	..	..	290	..	298·0	+1·4	*297·9*	..	..
449	Tachkent	41 20	69 18	478·3	961·1	1016·5	+1·7	299·5	302·7	30th	282·6	277·7	20th	291·1	−1·6	*290·6*	0	− 5
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	796·7	..	..	..	..	..	294·0	7th	276·2	272·8	28th	282·1	−3·5	*281·9*	63	..
452	Vernyi	43 16	76 53	? 835	922·3	1018·5	+4·7	294·2	299·5	30th	..	..	..	287·1	−1·6	*286·9*	13	− 12
461	Mukden	41 48	123 23	43·8	1009·8	1015·1	+1·1	294·6	300·1	4th	280·5	274·4	15th	287·6	−2·4	287·0	37	− 37
462	Joshin	40 40	129 11	4·0	1013·8	1014·3	+0·4	294·0	299·3	1st	284·2	279·6	25th	289·1	−1·5	289·1	56	− 7
463	Vladivostok	43 7	131 54	26·8	1011·6	1014·8	0·0	292·7	299·0	..	283·6	277·5	..	288·2	−1·5	*288·0*	99	..
464																		
465	Ochiai	47 20	142 44	15·0	1011·9	1013·7	..	289·2	297·7	1st	277·7	272·7	14, 15, 27	283·5	..	283·5	210	..
466	Nemuro	43 20	145 35	26·7	1010·7	1013·9	−0·1	289·9	295·2	1st	282·3	278·2	20th	286·1	−2·2	285·9	261	+126
		N.	E.															

Between Latitude 40° N. and 30° N. SEPTEMBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1008·8	1014·5	+0·7	294·4	307·4	18th	286·5	284·1	25th	290·4	+2·3	*289·7*	32	+ 25
512	San Luis Obispo	35 18	120 39	61·3	1007·0	1014·2	+0·7	298·1	307·4	17th	284·1	278·6	5th	291·1	+1·7	*290·5*	1	− 10
513	Modena	37 48	113 54	1670	834·5	1014·2	+1·0	294·7	301·9	19th	276·3	268·6	22nd	285·4	−3·2	*285·3*	2	− 28
514	San Diego	32 43	117 10	26·5	1009·7	1012·8	+0·7	295·0	303·0	19th	288·5	285·2	5th	291·8	−0·6	*291·6*	0	− 3
515	Santa Fé	35 41	105 57	2138	789·2	1012·2	−1·4	294·2	298·0	2nd	280·8	273·0	25th	287·5	−1·4	*287·4*	2	− 41
516	Denver	39 45	105 0	1613	839·1	1016·6	+2·0	292·8	304·1	4th	278·5	271·9	25th	285·7	−4·4	*285·5*	51	+ 28
517	Abilene	32 23	99 40	529·7	954·6	1014·5	0·0	303·6	309·7	24th	290·4	277·4	26th	297·0	+0·6	*296·8*	5	− 76
518	Saint Louis	38 38	90 12	172·8	996·0	1016·2	−1·0	299·1	308·0	8th	290·1	279·1	26th	294·6	+0·5	*294·4*	72	− 3
519	Mobile	30 41	88 2	17·4	1011·9	1013·9	−2·0	302·9	309·1	4th	295·5	292·4	24th	299·2	+1·5	*298·8*	146	+ 18
520	Nashville	36 10	86 47	166·4	997·6	1017·3	−0·7	301·9	308·0	8th	290·6	281·9	30th	296·3	+1·3	*296·1*	63	− 31
521	Charleston	32 47	79 56	14·6	1014·3	1015·9	−1·4	302·2	310·8	1st	296·2	290·8	30th	299·2	+1·7	*298·9*	265	+127
522	Washington	38 54	77 3	34·1	1013·9	1017·9	−0·7	299·1	307·4	11th	289·6	278·6	30th	294·3	+1·3	*294·1*	149	+ 58
523																		
524	Bermuda	32 17	64 46	46·0	..	1016·8	−0·6	300·9	302·7	18th	294·2	291·9	1st	297·6	−0·9	..	45	− 88
531	Horta	38 32	28 38	30	..	1019·4	−1·4	297·2	300	9th	292·8	289	28th	295·0	+0·2	..	114	+ 22
532	Ponta Delgada	37 44	25 40	17	..	1019·5	−1·1	296·6	299	9th, 10th	292·1	289	25th	294·4	+0·4	..	78	+ 12
533	Madeira (Funchal)	32 37	16 54	25	1015·1	1018·0	..	297·3	299·0	5th	288·5	286·2	29th	292·9	..	..	83	+ 64
534	Lisbon	38 43	9 9	95·4	1005·2	1016·5	−0·7	297·7	307·0	5th	290·5	287·3	23rd, 29th	294·1	+0·7	*293·7*	31	− 6
535	Casablanca	33 37	7 35	17	1013·8	1016·2	..	..	..	..	..	288·7	..	294·8	+0·4	..	2	− 17
536	Gibraltar	36 6	5 21	16	1015·3	1017·2	+1·4	297·7	301·3	2, 3, 10, 11	290·5	286·9	26th	294·1	+1·6	..	66	+ 32
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·4	+1·2	297·4	303·0	2nd	290·7	287·7	25th	294·1	−3·6	..	26	+ 2
538	Palma	39 33	2 42	..	..	1018·6	+0·8	297·1	301	1, 2, 4	289·0	286	24th, 25th	293·0	..	..	36	..
538a	Tunis	36 48	10 10	43	..	1020·8	+4·2	298·0	310·2	9th	288·0	284·0	16th	293·0	−4·3	..	108	+ 37
539	Malta	35 54	14 31	59	..	1017·0	−0·9	296·9	299	sev. dates	292·8	290	7th, 16th	294·8	−2·4	..	64	+ 25
540	Catania	37 30	15 3	64·9	..	1015·5	−0·9	297·8	302·8	7th	290·5	287·1	16th	294·2	−2·3	..	144	+ 95
541	Athens	37 58	23 43	107·1	..	1014·6	−0·8	300·2	305	25th	291·5	287	20th	295·8	−1·1	*295·3*	9	− 1
542	Alexandria	31 9	29 54	32·0	..	1015·6	+1·7	302·2	310	4th	295·0	292	23rd	298·6	−0·3	*298·0*	0	− 1
543	Cairo (Helwan)	29 52	31 20	115·6	..	1014·6	+1·1	304·6	310	27th, 29th	292·4	289	22nd	298·5	−0·2	298·4	0	− 0
544	Nicosia	35 12	33 24	22·1	..	1012·4	+0·6	306·9	312	27th	288·9	287	18th	297·9	−0·7	..	0	− 7
544a	Beirut	33 54	35 28	52·4	..	1013·0	+1·3	301·5	304	17th	295·8	294	7, 15, 20	298·6	−0·5	..	0	− 5
545	Baghdad	33 21	44 28	38·7	1003·7	1008·1	−0·1	314·9	317·9	2nd	296·1	291·8	30th	305·5	+2·1	..	0	0
546	Lenkoran	38 46	48 52	−19	1018·3	1016·3	−0·3	..	301·3	27th	290·6	287·9	12th	295·9	+2·5	*295·8*	50	− 158
547	Busrah	30 31	47 53	7·6	1006·2	1007·3	..	313·8	315·7	4th	299·2	297·1	30th	306·5	+2·7	..	0	− 5
548	Meshed	36 16	59 35	946	908·6	1014·3	..	299·9	303·8	30th	279·8	277·5	22nd	289·9	−1·4	..	0	− 1
549	Quetta	30 11	67 3	1677	832·9	..	+1·2	300·3	305·8	1st	278·2	275·6	17th	289·3	−3·3	*289·1*	0	− 2
550																		
551	Lahore	31 34	74 20	214	981·7	1005·7	+0·7	310·7	312·7	19th	294·7	290·1	20th, 21st	302·7	−0·2	*302·1*	0	− 65
551a	Simla	31 7	77 8	2204·3	780·9	..	+0·3	291·4	293·7	7th	286·1	284·3	27th	288·8	−0·5	*288·6*	256	+110
552	Leh	34 10	77 42	3506	666·9	..	−0·2	293·7	296·8	1st, 11th	276·8	273·6	20, 21, 22	285·2	−1·1	*284·0*	0	− 5
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	254	+ 14
559	Hang Kow	30 35	114 17	37·0	1010·2	1014·5	+1·3	301·2	310·1	3rd	292·7	287·6	10th	297·0	−0·6	..	25	− 19
560	Tiensin	39 10	117 10	5·0	1016·0	1016·6	+1·5	296·7	301·0	1st	289·1	283·8	22nd	292·9	−1·3	..	95	+ 32
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1013·0	+0·7	300·6	306·4	8th	291·2	285·0	23rd	295·9	−0·4	294·8	54	− 58
562	Chemulpo	37 29	126 32	67·6	1006·2	1014·2	+1·7	296·6	302·7	2nd	287·4	283·5	15th	292·0	−2·4	291·7	32	−107
562a	Nagasaki	32 44	129 52	133·0	995·5	1011·0	−0·4	298·4	303·7	3rd	291·3	285·9	24th	294·9	−2·1	294·9	188	+ 7
563	Kioto	35 1	135 46	49·4	1006·0	1011·8	−0·6	300·0	307·3	3rd	289·4	283·4	28th	294·7	−1·1	294·1	230	+ 44
564	Tokio	35 41	138 45	21·3	1009·5	1012·0	−1·0	296·8	307·5	2nd	290·2	285·1	30th	293·5	−1·9	293·2	401	+196
565	Miyako	39 38	141 59	30·4	1009·5	1013·1	−0·5	293·9	299·4	3rd	286·3	279·8	29th	290·1	−2·1	289·4	312	+ 57
566		N.	E.															

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1014·3	1015·6	+0·6	301·6	302·4	..	295·7	294·1	..	298·7	+0·1	..	8	− 31
606																		
615	Zacatecas	22 47	102 35	2610	747·6	..	..	290·0	291·4	4, 20, 23,	282·0	279·2	17th	286·0	..	..	122	..
616	Leon	21 7	101 41	1798·6	824·2	..	−0·5	298·0	300·8	10th	287·6	284·3	18th	292·6	−0·1	..	162	+ 46
617	Galveston	29 18	94 50	16·5	1012·4	1014·5	−0·7	303·3	307·4	12th	297·7	291·3	27th	300·6	+1·2	*300·5*	26	−112
618	New Orleans	29 58	90 4	15·5	1012·0	1013·9	−1·4	304·5	309·7	5th	297·1	294·1	30th	300·8	+2·2	*300·4*	98	− 25
619	Havana	23 8	82 22	24·3	..	1014·8	+0·4	303·8	305·9	12th	297·1	295·1	18th	300·5	+0·5	300·4	148	+ 40
620	Key West	24 33	81 48	6·7	1013·6	1014·2	+0·3	304·0	305·8	4th	298·7	295·2	21st	301·3	+0·3	*301·5*	110	− 61
621	Nassau, Bahamas	25 5	77 21	7·6	..	1015·3	+0·3	304·2	305·5	2nd, 24th	297·7	294·9	15th, 16th	301·0	+0·6	..	90	−117
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	?296·8	297·8	..	?290·8	287·7	..	?293·8	..	..	15	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1018·0	1019·0	−0·9	300·0	302·6	22nd	292·6	290·0	16th	296·3	−0·3	..	3	− 4
637	Insalah	27 17	E 2 27	330	..	..	..	313·0	319·0	1st	295·9	290·0	29th, 30th	304·5	−1·4	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1015·2	+0·7	311·7	315	30th	293·4	291	30th	302·6	+0·5	*302·6*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1010·8	0·0	313·8	317	29th	290·1	286	28th, 29th	302·0	−1·5	*302·1*	..	..
643	Suez	29 57	32 32	3·4	..	1014·4	+2·7	308·2	311	sev. dates	292·1	290	23rd, 24th	300·2	+0·2	..	0	0
644	Aswan	24 2	32 53	99·6	..	1011·1	+1·2	313·1	317	12th, 27th	295·8	293	4th	304·4	+0·2	*305·8*	..	..
647	Bushire	28 59	50 53	4	1006·7	1007·3	+1·3	307·2	309·0	4th	299·2	297·2	29th	303·1	−0·2	..	0	0
648	Jask	25 44	57 47	4	1006·9	1007·4	+1·2	308·2	312·1	8th, 21st	299·0	295·9	30th	303·6	−0·1	..	0	0
649	Kurrachee	24 53	66 57	4	1007·2	1007·7	+0·9	303·1	304·1	7th, 10th	297·3	293·0	22nd	300·2	+0·3	*299·7*	1	− 11
650	Hyderabad, Sind	25 24	68 18	29	1003·0	1006·2	+1·1	309·9	315·2	28th	296·4	293·0	23rd	303·2	−0·3	..	0	− 12
651	Jaipur	26 56	75 52	436	959·0	1007·3	+0·7	306·6	311·4	22nd	294·9	291·9	28th	300·8	−1·1	*300·0*	33	− 54
652	Nagpur	21 8	79 5	310	973·1	1007·7	+1·6	305·1	307·8	5 days	295·9	293·4	23rd	300·5	−0·1	*299·8*	91	− 120
653	Allahabad	25 25	81 51	91	995·9	1006·4	+1·1	306·3	308·6	4 days	296·8	291·6	22nd	301·6	−0·4	*300·9*	132	− 5
654	Calcutta	22 36	88 23	6	1006·1	1006·9	+1·0	305·4	307·5	14th	299·1	297·7	28th	302·2	+0·9	*302·0*	130	−153
655	Gauhati	26 8	91 41	59	1001·3	1008·1	..	305·4	307·6	4th	297·2	294·4	24th	301·3	..	..	75	− 81
655a	Cherrapunji	25 15	91 42	1313	867·1	..	..	296·2	298·7	4th	290·7	289·2	25th	293·4	..	..	784	+106
656	Shillong	25 33	91 48	1500	848·7	..	..	296·4	298·5	6th	288·8	285·6	14th	292·6	..	..	325	+ 40
656a	Akyab	20 11	92 56	6	1007·5	1008·2	+0·4	303·9	305·7	26th, 27th	298·1	294·7	12th	301·1	+0·1	*301·0*	367	−185
657	Phu Lien	20 48	106 37	115·6	995·6	1008·9	+1·5	303·6	305·9	10th, 29th	296·2	292·1	20th	299·9	−0·5	299·4	88	−259
658	Moncay	21 31	107 51	10	1007·6	1008·7	+1·2	303·4	306·0	5th	294·6	289·4	20th	299·0	−1·5	..	253	−107
659																		
660	Hong Kong	22 18	114 10	33·2	..	1007·8	−0·7	302·7	306·6	10th	297·2	293·0	17th	299·9	−0·4	299·4	99	−140
661	Taihoku, Formosa	25 2	121 31	9·3	1006·6	1007·6	−1·9	302·6	307·5	9th	295·8	290·5	24th	299·2	−0·6	298·8	428	+195
662	Naha	26 13	127 41	10·5	1006·2	1007·4	−1·6	303·4	306·0	14th	297·0	293·2	26th	300·2	+0·3	299·9	225	+ 33
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	846·4	..	..	298·4	301·0	6th, 8th	290·6	288·2	30th	294·5	..	..	166	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1005·4	1011·9	..	..	306·6	10th	..	294·8	13th	300·6	..	..	85	+ 21
718	Mexico	19 26	99 8	2280	780·3	..	+0·4	294·8	297·3	4th, 9th	285·4	284·2	18th	290·1	+0·1	289·4	100	0
718a	Oaxaca	17 4	96 44	1563	846·5	..	..	300·4	303·2	13th	287·5	284·2	20th	294·0	..	..	65	..
719	Belize	19 29	88 12	1·9	1012·8	1013·0	+1·6	304·3	306·9	..	299·1	295·8	..	301·7	..	..	206	− 34
720	Sau Salvador	13 44	89 9	657	938·5	1012·0	+1·4	303·5	305·0	1, 15, 29	291·0	290·0	30th	297·3	+0·5	..	148	−144
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·8	+1·0	304·2	305·9	1st	295·5	293·3	17th	299·9	0·0	*299·3*	181	− 10
722	Port au Prince	18 34	72 22	37·4	1009·2	1013·5	+2·8	305·8	308·8	6th	295·3	293·3	18th	300·6	..	299·8	238	+ 48
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·4	1012·1	..	304·5	305·8	..	298·7	297·2	..	301·6	..	..	43	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·3	1012·1	+0·1	303·3	305·2	24th	297·1	295·2	15th	300·2	+0·5	..	161	− 43
725	Barbados	13 8	59 36	55·2	..	1010·9	..	303·4	305·3	28th	295·1	292·4	24th	299·3	−0·6	*299·2*	72	−100
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1012·5	1013·7	+0·7	301·0	303·0	3rd	296·6	295·0	19th, 20th	298·8	−0·8	..	98	+ 18
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·0	1014·9	..	301·8	304·4	5th	297·9	296·0	30th	299·8	..	..	162	..
733	Bathurst	13 24	16 36	5	1012·0	1012·6	−0·6	302·8	305·2	26th	296·8	294·1	4th	299·8	0·0	..	251	− 2
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	305·5	310·8	12th	291·4	287·4	22nd	298·4	..	..	276	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	294·3	292·5	16, 28, 29	..	..	..	45	..
736	Timbouctoo	16 43	W 2 52	250	..	1008·0	−1·2	315·0	319·0	..	296·6	294·0	..	305·8	0·0	*304·8*	13	..
737	Sokoto	13 2	E 5 14	354	..	..	..	303·9	306·9	23rd	295·7	294·1	2nd, 5th	299·8	−0·3	..	88	− 4
738	Kontagora	10 24	5 24	400	..	..	..	303·3	306·9	3, 13, 30	293·8	291·3	24th	298·6	+0·3	..	301	− 29
739	Maiduguri	11 48	13 12	370	..	..	..	306·1	309·7	30th	295·3	292·4	5th	300·7	..	..	88	− 22
740	Katagum	12 17	10 22	30·7	..	..	..	307·1	309·1	30th	295·3	293·0	7th	301·2	..	..	73	0
741	Kadugli	11 2	29 45	503	..	..	..	305·4	308·5	28th	290·1	287·5	21st	297·8	..	..	230	..
742	El Obeid	13 11	30 14	585	..	1012·2	0·0	307·5	310	25th, 29th	293·6	291	17th	300·6	−0·2	*300·7*	141	+ 42
743	Khartoum	15 37	32 33	390	..	1009·4	+0·5	312·5	315	29th	298·6	294	8th	305·6	+0·5	*305·7*	18	+ 1
744	Aden	12 45	45 3	28·7	1006·0	1009·3	+1·5	305·9	308·3	6th	300·3	297·4	27th	303·1	−0·9	*302·7*	0	− 4
751	Bombay	18 54	72 49	11·3	1008·6	1009·8	+0·3	303·3	305·2	22nd, 25th	298·1	296·6	7th	300·7	+0·8	*300·1*	83	−193
752	Mysore	12 18	76 40	768	925·8	1010·2	−0·2	302·0	304·4	10th	292·5	290·8	5 days	297·2	+0·1	*296·2*	100	− 17
753	Kodaikanal	10 13	77 28	2343	770·4	..	−0·4	291·9	294·4	12th, 15th	284·2	283·0	3rd	288·1	+0·8	287·3	179	+ 13
754	Madras	13 4	80 14	6·7	1007·6	1008·3	−0·2	307·7	310·5	2, 6, 7	298·9	294·7	18th	303·3	+0·8	302·3	35	− 96
755	Waltair	17 45	83 16	68·9	999·5	1007·3	+1·3	304·0	307·2	1st	298·1	296·0	3rd	301·1	..	*300·5*	195	+ 13
756	Port Blair	11 40	92 40	17·7	1007·5	1009·5	0·0	302·1	303·9	12th	297·3	295·8	2nd	299·7	−0·4	*299·1*	386	− 85
	Rangoon	16 46	95 48	5·5	1008·6	1009·3	+0·1	303·7	305·8	25th	297·4	296·1	9th	300·6	+0·4	*299·7*	381	− 16
757	Saigon	10 46	106 42	11·2	..	1007·9	+0·1	306·1	308·3	8th	296·2	294·5	17th, 25th	301·2	+0·4	..	358	+ 1
758	Nhatrang	12 16	109 12	6·8	..	1007·2	+0·6	304·3	309·4	1st	296·1	294·7	20th	300·2	−1·1	..	348	+164
759	Bolinao	16 24	119 53	9·7	..	1005·1	..	304·1	305·9	7th	297·1	295·4	23rd	300·6	..	299·8	351	−172
760	Vigan	17 34	120 23	14·7	..	1005·1	..	303·2	305·2	25th	296·3	295·1	27th, 28th	299·8	..	299·5	553	− 26
761	Manila	14 35	120 59	14·2	..	1006·0	−1·5	303·6	305·9	7th	297·2	295·9	26th	300·4	−0·2	299·7	227	−132
762	Ormoc	11 0	124 36	5·6	..	1007·0	..	303·6	305·3	23rd	297·0	295·0	7, 10, 11	300·3	..	300·3	222	− 87
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1006·2	..	303·0	304·4	5th	296·9	295·4	16th	300·0	..	..	427	..
		N.	E.															

Between Latitude 10° N. and 0°.

SEPTEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	306·2	308·6	23rd	297·1	293·4	22nd	301·6	−0·1	*299·8*	57	− 36
819	Culebra	9 10	79 40	123·1	..	1010·5	+0·5	303·0	305·2	1st	295·2	292·4	24th	298·9	−0·4	..	359	+ 73
822	Caracas	10 31	66 56	?	897·6	..	..	298·3	300·0	..	289·3	286·0	..	293·8	..	..	87	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	986·2	..	..	303·0	304·1	25th, 26th	294·4	293·6	5, 16, 27	298·7	..	..	191	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·9	1013·1	−1·5	304·1	304·9	26th	297·3	295·5	25th	300·7	+0·8	..	40	− 42
826	Paramaribo	5 49	55 9	4	1013·1	1013·5	..	305·0	306·4	27th	296·4	295·0	20th	300·7	..	*300·2*	20	..
826a	Cayenne	4 56	52 21	6	..	..	..	305·8	307·0	5th	296·5	295·4	7th, 8th	301·2	+0·3	..	8	− 13
833	Conakry	9 31	13 43	16	1011·2	1013·0	+0·4	302·4	304·0	..	295·7	293·0	..	299·1	+0·4	..	998	..
834	Sierra Leone	8 30	13 9	68·3	1005·4	1013·3	−1·1	302·5	305·3	20th	295·2	293·6	9, 19, 23	298·9	−0·3	..	459	−289
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Acera	5 35	W 0 6	18	..	..	..	301·1	..	..	295·2	..	..	298·2	+0·4	..	20	− 4
837	Lagos	6 22	E 3 28	7·6	1011·7	1012·5	0·0	301·6	303·0	..	296·3	294·7	..	299·0	+0·4	..	54	− 80
838	Zungeru	9 48	6 10	130	..	1013·1	+0·4	303·1	305·2	21st	293·7	291·9	15th	298·4	−0·5	..	224	− 35
838a	Libreville	0 23	9 26	35	..	..	..	302·6	304·8	25th	294·7	294·0	12th	298·7	+0·3	..	136	+ 32
839	Yola	9 12	12 30	259	..	..	..	302·9	305·2	30th	295·3	293·6	8th	299·1	+0·3	..	249	+ 45
841	Kafia Kingi	9 22	24 18	596	946·4	1013·7	..	..	..	..	..	..	..	..	..	..	213	..
842	Wau	7 42	28 3	440	..	1011·6	+0·3	..	..	..	293·4	292	6th, 14th	..	..	..	198	+ 65
843	Entebbe	0 5	32 29	1177	883·4	..	+0·2	299·4	301·9	27th	288·9	286·3	21, 23, 25	294·2	+0·1	..	53	− 19
844	Nandi	0 2	35 5	2010	..	..	..	297·9	300·8	24th	284·1	281·9	24th	291·0	..	..	168	..
845	Harrar	9 42	42 30	1856	..	..	..	299·8	302	sev. dates	287·8	287	sev. dates	293·8	..	..	56	..
851	Cothin	10 0	76 21	2·7	1010·5	1010·8	−0·6	302·8	303·9	18, 19, 23	296·9	296·2	6 dates	299·9	+0·5	*299·3*	224	+ 3
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	0·0	303·8	304·6	8th, 13th	297·1	295·1	11th	300·4	+0·8	*299·8*	129	− 20
853	Candy	7 18	80 40	504·5	..	..	..	301·9	303·2	13th	293·3	291·4	11th	297·6	+0·3	..	76	− 69
855	Medan	3 35	98 41	23·5	..	1009·6	−0·8	..	..	..	..	..	..	..	..	..	216	− 8
856	Kota Radja	5 32	95 20	7·1	..	1010·3	..	..	..	..	..	..	..	..	..	..	115	− 43
857	Penang	5 34	100 20	5·0	1007·3	1007·9	−1·0	303·7	306·1	6th	296·2	294·7	2nd	299·9	−0·4	..	374	+ 24
858	Singapore	1 17	103 51	2·2	1009·1	1009·3	−0·9	304·1	306·0	17th	296·9	295·2	12th, 13th	300·5	+0·2	..	170	+ 26
860	Sandakan	5 49	118 12	..	..	..	..	304·0	305·2	3rd, 24th	296·5	295·8	28th	300·3	−0·2	..	460	+231
861	Tagbilaran	9 38	123 51	26·2	..	1007·3	..	305·1	306·9	3rd, 5th	297·1	295·8	8th	301·1	..	300·1	227	+ 42
862	Surigao	9 48	125 29	6	..	1006·7	..	304·6	307·4	3rd	297·9	295·6	7th	301·3	..	300·6	138	− 34
863	Yap	9 29	138 8	31·9	..	1006·1	..	304·4	306·5	28th	296·8	293·8	18th	300·6	..	..	328	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	208	− 86
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·2	1011·3	+1·2	306·7	307·4	8, 15, 17	295·4	294·7	11, 12, 19	301·1	−0·2	..	23	+ 2
906																		
923	Manaos	3 8	59 59	32·4	1002·4	1006·1	−1·7	..	..	..	..	..	..	301·3	−1·3	..	144	+102
930	Fernando Noronha	3 51	W32 25	95	1002·4	1013·4	..	..	301·2	..	..	293·8	..	298·1	..	*298·0*	7	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	304·4	308·2	25th	291·2	289·2	17th	297·8	−0·4	..	2	..
940	Loango	4 38	11 50	? 50	..	..	..	300·2	..	..	284·2	..	..	292·2	..	..	8	..
943	Daressalam	6 49	39 18	7·6	1014·4	1015·2	..	300·7	303·2	23rd	293·0	291·5	7th	296·9	..	297·0	31	..
944	Nairobi	1 18	36 59	1660	..	..	..	296·8	300·8	11th	282·7	278·8	21st	289·8	..	..	37	+ 10
944*a*	Zanzibar	6 10	39 11	21·9	1015·0	1017·4	−0·7	300·9	302·6	4th	296·2	294·6	16th	298·5	+0·2	..	167	+114
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	300·6	301·3	4th	295·0	294·1	18th	297·8	..	..	14	..
947	Seychelles	4 37	55 27	4·6	..	1012·5	−0·7	301·1	302·5	..	298·1	295·5	..	299·6	+0·4	*298·8*	129	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·8	−0·5	..	..	..	..	..	..	..	..	..	337	− 74
957	Batavia	6 11	106 50	8	1009·5	1010·4	−0·3	303·9	307·6	22nd	296·5	295·6	1st	300·2	+0·3	299·8	222	+152
958	Pontianak	0 1	109 20	2·6	..	1010·2	+0·5	..	..	..	..	..	..	..	..	..	223	+ 15
959	Passerocan	7 38	112 55	5·0	..	1010·4	−0·8	305·0	306·0	..	295·0	293·0	..	300·0	..	*300·7*	0	− 15
960	Kajoemas	7 56	114 9	950	..	..	..	298·7	300·2	12th	290·6	289·1	1st	294·7	..	293·7	0	− 2
961	Koepang	10 10	123 34	3·3	..	1011·4	..	..	..	..	..	..	..	..	..	..	0	− 165
962	Ambon	3 42	128 10	4·2	..	1010·8	−0·2	302·2	303·4	30th	296·4	294·5	17th	299·3	+1·4	299·0	139	..
965	Daru	9 4	143 13	8	..	1012·5	0·0	302·6	..	..	294·8	..	..	298·7	0·0	..	12	− 45
966	Port Moresby	9 29	147 9	39	..	1012·4	+0·1	301·6	..	..	296·4	..	..	299·0	−0·1	..	4	− 37
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	295	− 43
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·4	1008·6	−0·9	303·8	305·8	2nd	297·4	296·3	9, 17, 23	300·6	+0·8	..	139	− 59
970	Ocean Island	0 52	169 36	27·8	..	1008·5	−0·2	304·7	305·2	2, 5, 22	297·5	296·3	4th	301·1	+0·3	..	103	− 11
		S.	E.															

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1010·9	−0·9	..	303·7	..	..	293·9	..	299·1	+0·8	..	91	− 53
1003	Alofi, Niue Island	19 2	169 55	36·6	1012·7	1017·0	−0·1	302·3	305·2	24th	291·1	288·6	8th, 27th	296·7	+0·3	..	147	− 25
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1012·4	..	302·0	304·2	..	294·1	291·0	..	298·1	..	..	? 224	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1013·9	1015·1	..	296·8	300·0	25th, 30th	285·0	283·4	11th	290·9	+1·1	..	0	..
1022	Arequipa	16 22	71 33	2451	761·9	..	−0·2	293·7	294·7	1, 13, 20	281·5	278·6	9th	287·6	+0·2	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	289	−1	..	0	− 21
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·6	+1·6	304·0	308·9	27th	295·2	285·4	3rd	299·6	−0·9	..	14	..
1035	St. Helena	15 57	W 5 40	632	947·7	1021·4	+0·5	290·1	293·8	2nd	284·7	282·9	6th	287·4	+0·3	*287·1*	93	+ 22
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	860·1	..	..	300·3	305·9	..	283·3	276·3	..	291·8	..	..	2	..
1043	Salisbury, Rhodesia	17 49	31 3	1487	858·1	..	..	300·6	304·8	..	283·9	277·0	..	292·2	..	..	1	− 1
1044	Zomba	15 23	35 18	899	908·3	1008·4	0·0	301·6	306·3	26th	287·2	284·1	16th	294·4	+0·9	..	9	− 1
1045	Tamatave	18 9	49 26	4	1019·2	1019·6	−0·4	300·3	302·2	..	294·4	293·3	..	297·4	..	..	275	+ 11
1046	Tananarivo	18 55	47 32	1400	867·3	..	−0·1	298·3	301·6	23rd	284·6	279·5	15th	291·5	+1·5	289·9	23	+ 2
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1013·8	+0·7	300·9	302·4	15, 22, 26	296·7	294·1	28th	298·8	−0·4	..	103	− 25
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·0	1010·6	+0·1	303·9	305·4	..	296·1	294·5	..	300·0	+0·4	..	34	− 72
1058																		
1061	Derby	17 18	123 40	16·2	..	1012·6	−0·1	306·2	311·0	22nd	292·2	288·6	15th	299·2	−0·2	..	0	..
1062	Hall's Creek	18 13	127 46	373·4	..	1011·3	−1·9	309·1	311·9	17th	289·6	283·0	24th	299·3	+1·9	..	0	..
1063	Port Darwin	12 28	130 51	29·6	..	1011·3	−0·1	306·2	308·3	22nd	297·0	294·7	12th	301·6	+0·4	*300·6*	25	+ 1
1064	Daly Waters	16 16	133 23	213	..	1009·7	..	309·7	311·9	2, etc.	293·2	287·7	23rd	301·4	+1·9	..	11	+ 1
1065	Mein	13 13	142 57	121·9	..	1011·1	..	305·9	310·1	8th	291·8	287·4	7th	298·8	..	..	7	+ 1
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	306·4	309·0	17th	290·3	284·7	27th	298·4	..	..	0	− 4
1067	Samarai	10 37	150 40	6·4	..	1013·9	+2·1	300·9	..	..	296·1	..	..	298·5	+0·1	..	100	− 27
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1014·7	−0·8	299·3	303·0	22nd, 23rd	293·4	289·1	9th	296·4	−0·3	..	154	− 11
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	298·6	301·3	31st	292·8	288·6	8th	295·7	..	..	98	− 27
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·3	1017·8	..	293·5	295·8	26th	287·4	283·9	23rd	290·5	..	..	93	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·5	1016·5	..	288·8	293·0	25th	283·8	280·8	10th	286·3	..	..	1	..
1122	Puerto de Antofagasta	23 39	70 25	5	1014·0	1014·6	−0·4	298·0	298·8	29th	285·4	285·0	3rd	291·7	+1·9	..	0	0
1125	Goya	29 9	59 15	64	1013·3	1021·0	..	297·4	304·0	16th	284·0	273·5	1st	290·7	+0·4	*290·7*	22	− 28
1126	Porto Alegre	30 2	51 13	26	1020·7	1022·2	..	292·8	300·5	16th	281·7	273·0	9th	287·3	..	287·3	57	..
1127	Curityba	25 26	49 16	908	917·4	1021·0	+1·8	291·2	301·2	26th	280·1	270·2	3rd	285·7	−2·7	285·2	128	+ 9
1128	Rio de Janeiro	22 54	W43 10	= 64	..	1019·5	+2·1	294·6	303·1	7th	289·8	285·9	4th	292·2	−2·1	..	47	− 11
1139	Windhuk	22 34	E17 5	1665·3	835·8	..	..	297·7	301·7	23rd	282·1	276·2	10th	289·9	..	290·3	0	..
1140																		
1141	Johannesburg	26 11	28 4	1874	824·8	..	−1·0	294·2	299·8	18th	280·9	272·7	11th	287·6	−0·5	*287·5*	8	− 14
1142	Kimberley	28 43	28 46	?1232	884·2	..	−0·5	..	..	..	..	..	..	..	..	..	..	..
1142*a*	Pretoria	25 45	28 11	1576	871·1	..	−1·1	299·4	305·2	20th	279·7	273·9	1st	289·6	−0·9	..	2	− 9
1143	Durban	29 51	31 0	79·9	1007·9	1017·4	−3·6	297·4	303·0	21st	286·8	282·0	1st	292·1	−0·8	..	23	− 61
1144	Lorenzo Marques	25 58	32 36	59	..	1017·8	−0·9	300·3	310·9	25th	287·7	282·9	1st	294·0	−0·4	293·5	6	− 23
1147	Mauritius	20 6	57 33	54·3	1012·6	1019·0	−0·8	298·4	300·8	28th	290·3	286·9	18th	294·4	+0·2	294·0	40	+ 1
1148																		
1159	Onslow	21 43	114 57	4·3	..	1013·0	−1·7	303·6	306·9	29th, 30th	286·3	284·3	25th	295·0	+0·8	..	0	− 2
1160	Peak Hill	25 38	118 47	588·3	..	1014·0	−1·0	298·7	307·4	21st, 22nd	284·2	278·6	18th	291·5	+0·1	..	0	− 5
1161	Nullagine	21 53	120 5	385·6	..	1012·7	−1·4	304·1	310·2	21st	285·7	277·4	3rd	294·9	+0·3	..	4	+ 4
1162	Laverton	28 40	122 23	466·3	..	1014·0	−2·5	297·6	308·0	22nd	282·6	274·9	6th	290·1	+0·8	..	1	− 12
1163	Alice Springs	23 38	133 37	587·0	..	1011·8	−3·3	302·0	307·8	12th	283·4	276·9	22nd	292·7	+1·1	*292·9*	0	− 11
1164	William Creek	28 55	136 21	76·2	..	1013·3	..	299·6	310·8	29th	281·8	277·3	7th	290·7	+0·9	..	0	− 12
1165	Boulia	22 55	139 38	145·7	..	1012·0	−1·8	304·1	310·1	16th	286·1	278·1	26th	295·1	+1·4	..	2	− 8
1166	Mitchell	26 32	147 52	337·1	..	1013·5	..	298·7	305·8	16th	278·1	273·1	22nd	288·4	..	..	7	− 26
1167	Rockhampton	23 24	150 30	11·3	..	1015·4	−1·5	302·7	308·8	16th	286·7	281·6	21, 22, 23	294·7	+0·7	..	0	− 36
1168	Brisbane	27 28	153 2	41·7	..	1013·8	−3·0	299·8	308·1	16th	284·6	280·6	20th	292·2	+0·8	..	11	− 42
1169	Noumea	22 16	166 27	9	1012·6	1013·6	..	299·1	304·0	18th	290·6	288·0	1st	294·9	+1·0	..	21	− 39
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1020·2	1021·4	+0·1	288·8	292·9	3rd	283·4	280·7	21st	286·1	−0·4	..	88	+ 7
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1012·3	1017·1	−0·2	290·6	299·3	20th	282·6	279·6	19th	286·6	−0·9	..	28	+ 9
1222	Santiago	33 27	70 42	520	955·5	1016·7	−1·3	293·0	299·0	23rd	279·0	275·0	11th	286·0	−0·6	285·1	8	− 21
1223	Cordoba	31 25	64 12	439	967·9	1019·5	+0·5	297·2	307·6	25th	280·1	267·4	1st	288·7	+0·3	288·2	0	− 22
1224	Buenos Ayres	34 16	64 11	25·2	1017·6	1020·6	+2·0	?290·7	298·5	30th	280·8	270·8	1st	?285·8	−0·6	285·8	57	− 22
1225	Rio Grande	32 2	52 6	2·3	1021·1	1021·4	..	289·3	295·9	26th	283·3	276·8	5th	286·3	..	..	17	..
1226	Montevideo	34 52	W56 12	29·3	..	1020·9	+3·1	..	298·4	30th	..	276·8	2nd	..	−1·3	285·0	38	− 34
1239	Cape Town	33 56	E18 29	9	1017·9	1019·0	−0·1	290·6	298·7	13th	282·5	277·8	10th	286·6	−0·8	..	107	+51
1240	Danger Point	34 37	19 18	20	..	..	..	290·3	296·3	3, 24, 27	284·7	281·3	7th	287·5	..	..	93	..
1241	Heidelberg	34 5	20 58	1541	853·1	..	+0·7	297·1	302·9	18th	276·8	269·7	1st	287·0	−1·9	..	8	− 37
1242	East London	33 2	27 55	10·1	1015·6	1016·8	−2·4	293·5	300·2	15th	284·7	279·1	1st	289·1	−0·5	..	41	− 6
1259	Perth (Observatory)	31 57	115 51	60·0	..	1014·4	−3·6	290·7	293·3	26th	283·1	278·5	17th	286·9	−0·6	..	144	+60
1260	Katanning	33 42	117 35	309·7	..	1011·0	−6·1	288·9	293·6	21st	279·7	275·4	18th	284·3	−0·6	..	90	+39
1261	Coolgardie	30 57	121 10	423·3	..	1012·4	−4·7	295·4	306·8	22nd	280·9	276·3	18th	288·2	+0·7	..	8	− 8
1262	Eucla	31 45	128 58	4·6	..	1011·5	−5·3	297·2	312·4	22nd	281·2	275·8	17th	289·2	+1·1	..	12	− 7
1263	Streaky Bay	32 48	134 13	13·1	..	1013·0	−4·4	293·2	299·2	21st	284·1	278·6	11th, 20th	288·6	+1·6	..	48	+12
1264	Adelaide	34 56	138 35	42·7	..	1011·0	−6·3	291·7	300·3	28th	282·4	277·1	19th	287·1	+0·2	..	67	+21
1265																		
1266	Melbourne	37 49	144 57	35·1	..	1008·4	−7·4	290·2	300·3	29th	280·7	275·2	1st	285·5	+0·2	..	60	0
1267	Bourke	30 13	145 58	110·1	..	1015·4	−1·3	297·2	306·8	30th	281·7	277·0	20th	289·4	−0·6	..	6	− 18
1268	Sydney	33 51	151 13	44·5	..	1010·4	−6·1	294·0	304·1	30th	284·4	280·1	20th	289·2	+1·3	..	10	− 63
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	158	+21
1272	Auckland	36 50	174 50	38·1	..	..	..	288·8	291·1	17th	282·8	280·2	29th	285·8	+0·1	..	140	+48
		S.	E.															

SEPTEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301																		
1302	Chatham Island	43 52	170 42	58	..	..	..	285·6	289·1	17th	280·0	275·8	29th	282·8	+1·0	..	121	+67
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	284·6	286·5	23rd	278·5	276·3	18th	281·6	..	..	31	..
1323	Punta Galera	40 1	73 44	40	1014·8	1019·7	..	285·7	288·4	8th	280·2	276·7	18th	283·0	..	..	52	..
1324	Bahia Blanca	38 45	W62 12	20	1017·2	1019·6	+0·2	292·6	302·0	24th	280·4	269·5	7th	286·5	+1·5	*285·9*	32	− 8
1365																		
1366	Hobart	42 53	E147 22	48·8	..	1000·0	−10·5	287·6	297·4	29th	279·4	276·3	10th, 17th	283·5	+0·1	..	97	+43
1369	Launceston	41 27	147 10	9·4	..	1001·5	..	287·9	293·3	29th	278·2	273·5	20th, 21st	283·1	0·0	..	87	+12
1370																		
1371	Dunedin	45 52	170 31	90	..	1003·8	−7·6	285·6	291·3	15th	279·1	274·1	25th	282·3	+0·6	..	67	+ 1
1372	Christchurch	43 32	172 38	7·6	..	998·5	−14·3	286·9	295·6	17th	278·3	272·6	30th	282·6	+0·2	..	55	+10
	Wellington	41 16	174 46	2·4	..	1001·0	−12·4	287·5	290·0	8th	282·4	277·7	24th	284·9	+1·2	..	147	+39
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·4	1007·2	..	..	..	..	273·9	269·7	29th	277·9	..	..	43¹	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·1	1003·6	+3·0	280·7	284·5	24th	274·3	270·5	29th	277·5	−0·2	277·4	42	+15
1423	Punta Dungeness	52 24	68 25	5	1003·5	1004·1	..	280·8	287·0	25th	274·9	273·0	29th	277·9	..	..	3	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1004·2	−1·0	279·9	284·7	25th	273·9	270·2	27th	276·9	−0·1	277·0	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	997·1	997·6	−3·4	278·0	285·5	13th, 14th	269·5	266·0	10th	273·8	+0·1	*273·4*	67	−19
1430		S.	W.															

SEPTEMBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	988·0	988·9	−3·9	270·1	276·6	4th	263·0	252·0	12th	266·5	+1·2	267·4	17	−15
1528																		

SEPTEMBER—ZONE 16.

Between Latitude 70° S. and 80° S.

1669	Cape Evans (McMurdo Sound)	S. 77 38 ° ′	E. 166 24 ° ′	18 metres.	.. mb.	997·0 mb.	+6·2 mb.	.. a.	264·1 a.	..	.. a.	239·9 a.	..	.. a.	+2·7 a.	251·4 a.	.. mm.	.. mm.
1670																		

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805.		Sierra Leone. 834.		Malden Island. 905.		Tulagi 969.	Ocean Island. 970.		Suva, Fiji 1072.	
			Direction and Force.		Direction and Force.		Direction and Force.		Direction and Force.	Direction and Force.		Direction.	Force.
			9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
		m/s.											
1	SE by S	9·3	SE 3	SE 3	W 2	SW 2	E 6	E 5	SE 1	NE 2	NE 3	NE	2
2	SE by S	6·9	SE 4	SE 3	Calm 0	SW 2	E 5	E 6	SE 1	NE 2	NE 3	NE	2
3	SSE	7·4	SE 3	SE 3	Calm 0	Calm 0	E 6	E 8	SE 2	SE 2	SE 3	NE	1
4	SSE	..	SE 4	SE 6	SW 2	SW 2	E 5	E 5	SE 2	NE 3	NE 4	Calm	0
5	SE	6·4	SE 4	SE 2	Calm 0	W 2	E 6	E 5	SE 2	NE 4	NE 5	N	5
6	SSE	8·8	SE 4	SE 2	SW 4	W 2	E 3	E 3	SE 3	NE 3	NE 4	SW	4
7	SE by S	7·9	SE 3	SE 3	SW 4	W 2	E 2	E 5	SE 3	NE 4	NE 3	SW	5
8	SE by S	9·0	SE 3	SE 1	SW 2	SW 3	NE 5	E 4	SE 2	NW 2	NW 3	Calm	0
9	SE by S	9·2	SE 2	SE 5	Calm 0	Calm 0	E 6	NE 3	SE 2	NW 3	NW 4	NE	5
10	SE by S	8·2	SE 2	SE 2	Calm 0	SW 2	Calm 0	NE 2	SE 2	NE 5	NE 3	Calm	3
11	E by S	4·2	SE 3	SE 1	NE 2	W 2	Calm 0	W 2	SE 3	SE 4	SE 4	E	3
12	ESE	3·4	SE 1	Calm 0	Calm 0	Calm 0	Calm 0	NE 2	SE 3	NE 2	NE 3	NE	3
13	SE	5·2	SE 1	Calm 0	SW 2	SW 2	NE 4	NE 2	SE 1	NE 3	NE 3	Calm	0
14	SE by S	7·5	E 1	SE 2	W 2	W 2	NE 3	NE 3	ESE 1	NE 2	NE 3	E	2
15	SE by S	7·3	SE 3	SE 2	Calm 0	Calm 0	NE 2	NE 3	ESE 3	NE 3	NE 2	Calm	2
16	SSE	12·1	S 5	SE 2	SW 2	W 2	E 3	E 3	SE 3	NE 2	NE 2	E	2
17	SSE	13·8	SE 3	SE 1	Calm 0	W 2	Calm 0	Calm 0	SE 2	NE 2	NE 2	Calm	3
18	SE by S	11·0	SE 2	Calm 0	Calm 0	Calm 0	NE 2	N 2	SE 2	NE 3	NE 2	NE	3
19	SE by S	13·6	SW 2	NE 2	SW 2	SW 2	N 1	N 3	SE 2	NE 3	NE 2	NE	4
20	SE	8·8	S 4	S 1	N 2	W 2	N 3	N 2	Calm 0	NE 2	NE 2	NE	3
21	SE	5·8	S 3	S 1	Calm 0	Calm 0	NE 2	NE 2	SE 2	NE 2	NE 2	NE	5
22	SE	7·1	E 1	NNE 1	SW 2	W 2	E 2	NE 1	SE 2	SW 2	SW 3	N	4
23	SE by S	10·2	SW 2	W 1	N 2	S 2	N 1	E 2	Calm 0	SW 3	SW 3	NE	3
24	SE by S	11·9	S 3	SE 3	Calm 0	Calm 0	E 5	NE 1	SE 1	SW 4	SW 2	NE	4
25	SE by S	11·8	SE 3	SE 1	SW 2	W 2	NE 5	NE 4	SE 4	SW 2	SW 4	SE	5
26	SE by S	10·2	SE 3	SE 3	NE 2	N 2	E 4	NE 3	SE 3	NW 2	NW 3	NE	5
27	SE	8·8	E 6	SE 3	NE 2	NE 2	E 6	E 4	SE 2	NE 2	NE 2	NE	2
28	SSE	5·8	SE 4	E 4	NE 2	Calm 0	E 4	E 3	SE 1	NE 2	NE 3	NE	2
29	SE by S	6·4	SE 3	SE 3	SW 2	S 3	E 3	E 4	SE 3	NE 3	NE 2	Calm	2
30	SE by S	9·3	SE 2	SE 1	W 2	Calm 0	E 4	E 3	SE 4	NE 3	NE 3	SE	2
Mean for Month	..	8·5	2·9		2·1	1·4	1·5	3·3	3·2	2·1	2·7	2·9	..	2·5
Deviation from Normal	..	−0·5	..		..	..	..	+0·1		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1912.

* *The Seas round Novaja Zemlja and Spitsbergen.*—"The *Kara Sea* was ice-filled; the east of Taimur Peninsula was blocked north of 76°. Barents Island coasts were ice-free. There was a belt of scattered ice along the west coast of Spitsbergen, and Bell Sound was blocked."

* *Greenland Sea.*—"At Angmagsalik the sea was open, with many big icebergs."

* *Iceland.*—"The coasts were ice-free."

North Atlantic and Labrador.—"On the *Newfoundland Banks* were only a few large icebergs, but many in *Belle Isle Strait*."

* *Davis Strait.*—"Except for icebergs the coast of Greenland was ice-free from Cape Farewell to Upernivik. In Hudson Strait were uncommonly many icebergs."

* *Behring Sea* was ice-free.

* *Isforholdene i de arktiske Have, 1912,* issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

OCTOBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1006·6	1007·5	..	..	..	..	..	..	..	262·1	..	..	3	..
124	Upernivik	72 47	W56 7	18·9	1005·1	1007·5	−1·7	270·2	278·9	1st	266·4	262·0	21st, 26th	267·9	−0·9	..	48	+22
125																		
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1008·4	1009·9	−2·3	..	276·3	15th	260·7	243·9	31st	264·5	..	..	11	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1010·8	1011·7	+5·0	..	283·1	11th	271·8	265·3	31st	..	−1·5	*273·5*	6	−72
142	Mehavn	71 1	27 47	6·4	1012·3	1013·2	..	..	281·1	11th	270·6	264·4	31st	..	..	*272·4*	35	−77
143	Vardö	70 22	31 8	10·0	1014·0	1015·3	+8·1	..	279·2	10th	270·6	266·4	5th	..	−2·0	*272·5*	18	−48
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1016·8	1018·7	+11·6	..	274·2	11th	263·5	255·0	30th	266·2	−3·9	*266·1*	1	−34
148		N.	E.															

Between Latitude 70° N. and 60° N.

OCTOBER—ZONE 2.

203	Nome	64 30	165 24	6·7	1002·7	1003·6	..	273·4	280·2	..	268·1	258·6	..	270·8	..	..	20	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	273·1	284·1	..	265·7	246·9	..	269·4	..	..	22	..
206																		
207	Valdez	..	..	..	..	..	..	278·7	284·1	..	272·7	268·0	..	275·7	..	..	178	..
208	Eagle	61 6	146 13	3	..	..	..	275·5	287·4	..	266·3	254·1	..	270·9	..	..	42	..
209	Dawson	64 46	141 12	248	971·6	1002·3	..	274·6	287·4	14th	268·2	261·3	24th, 25th	271·4	+1·1	..	62	..
210	Carcross	64 4	139 20	321	964·8	1004·4	−5·1	279·6	284·1	..	271·9	266·3	..	275·8	..	..	10	..
211																		
212	Fort Simpson	60 11	134 34	662	..	..	..	277·3	288·6	15th	269·7	263·7	20th	273·5	..	*273·7*	2	..
213																		
214	Hay River	61 52	120 43	129	993·6	1009·8	..	278·6	293·6	1st	271·4	261·9	30th, 31st	275·0	..	..	18	..
215	Fort Resolution	60 51	115 20	161	990·5	1010·5	..	276·8	285·8	1st	271·8	262·4	31st	274·3	..	..	18	..
225		61 0	113 0	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
226																		
229	Jacobshavn	69 13	51 2	12·6	1004·2	1005·8	−2·6	269·6	276·5	1st	264·4	258·7	8th	267·0	−2·6	..	17	−5
230	Godthaab	64 11	51 44	9	999·0	1000·2	−6·0	..	..	..	269·9	264·0	14th	271·6	−0·4	..	12	−52
	Angmagsalik	65 37	37 34	31·7	996·3	1000·2	..	275·9	286·4	1st	270·6	264·0	29th	273·3	..	..	118	..
231																		
232	Stykkisholm	66 5	22 46	11·3	998·3	999·7	−6·6	279·5	284·3	10th	275·0	267·5	31st	277·3	+0·9	..	115	+45
233	Vestmanno	63 26	20 15	7·7	999·1	1000·1	−6·1	281·7	284·2	10th	276·4	269·6	31st	279·1	+1·3	..	224	+89
234	Grimsey (Akureyri)	66 33	17 58	6·8	1002·3	1003·2	−4·4	279·0	283·5	13th	273·3	267·4	30th	276·2	+1·1	..	1	−52
235	Berufjord	64 40	14 19	18	1001·1	1003·3	−3·4	280·4	284·2	11th	274·7	269·0	30th	277·6	+1·6	..	169	+55
236	Thorshavn	62 3	6 45	25·7	1003·4	1006·5	−0·7	282·2	285·5	9th	278·4	272·6	31st	280·3	+1·0	..	168	−8
	Lerwick	60 9	W 1 8	18·0	1005·8	1008·1	+0·4	282·7	285·2	8th, 14th	279·4	274·7	3rd	281·1	+0·4	..	141	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·2	1010·7	−0·4	..	286·5	14th	278·6	273·3	27th	..	+0·3	*280·6*	241	+1
239	Christiansund	63 7	7 45	17·8	1007·5	1009·7	+1·2	..	286·4	14th	278·4	271·9	31st	..	+0·2	*280·2*	137	−11
240	Trondhjem	63 26	10 25	39·5	1006·4	1011·3	+2·2	..	285·7	17th	274·9	268·8	31st	..	−0·5	*277·6*	64	−47
241	Bodö	67 17	14 24	20·5	1009·5	1011·9	+4·0	..	282·4	10th	273·5	268·0	31st	..	−0·7	*276·4*	71	−37
242	Haparanda	65 50	24 9	9·2	1016·1	1017·3	+7·3	274·9	281·0	1st	270·2	264·0	28th	272·6	−1·8	..	30	−26
242a	Helsingfors	60 10	24 57	11·7	..	1016·0	+3·2	..	283	..	..	268	..	275·6	−3·0	*275·5*	103	+37
	Knopio	62 54	27 40	99·7	..	1017·8	..	..	281	..	..	264	..	273·3	−3·1	*273·2*	13	..
243																		
244	Kola	68 53	33 1	6·7	1017·2	1018·1	+10·3	271·8	279·5	10th	266·3	258·1	27th	269·1	−3·5	..	8	−12
245	Petrozavodsk	61 47	34 23	38·9	..	1019·1	+5·9	..	282	..	..	259	..	273·2	−3·1	*273·1*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1019·5	+8·8	..	281	..	..	255	..	269·5	−5·0	*269·4*	42	+3
247	Velsk	61 5	42 7	? 87	1010·0	1021·2	..	..	282·1	3rd	266·2	250·4	29th	269·8	..	*269·7*	16	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1021·6	+8·0	..	278	..	..	252	..	267·2	−4·1	*267·1*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	1007·0	1023·0	..	..	280·7	3rd	264·0	249·0	22nd	267·2	..	*267·1*	24	..
249																		
250	Berezov	63 56	65 4	39·7	1017·5	1022·7	+9·3	..	280·2	3rd	261·5	248·8	27th	265·1	−4·1	*265·0*	9	−12
251	Obdorsk	66 31	66 35	23·7	1017·5	1020·6	+9·2	..	277·5	4th	261·7	249·0	31st	265·2	−4·8	*265·1*	11	..
252	Sourgout	61 15	73 24	? 40	1016·8	1022·0	+6·8	..	285·3	5th	261·5	246·6	31st	265·7	−5·6	*265·6*	22	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1012·8	1015·4	..	..	275·7	6th	257·5	244·0	31st	260·8	..	*260·7*	30	..
261																		
262	Olekminsk	60 22	120 26	? 202	1001·1	1027·6	+0·4	..	277·2	9th	260·1	247·1	31st	263·5	−4·5	*263·4*	17	..
263	Iakoutsk	62 1	129 43	? 108	1003·6	1017·9	−0·9	..	281·7	1st	..	..	..	262·3	−2·1	*262·3*	11	−5
264	Verkhoiansk	67 33	133 24	? 100	999·5	1012·9	+1·1	..	271·8	3rd	250·6	238·3	24th	255·5	−2·8	*255·6*	15	+9
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	281·0	1st	258·8	243·3	21st	262·3	..	*262·3*	10	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
303	Dutch Harbor	53 54	166 32	4·0	..	..	..	280·3	284·1	..	275·3	270·8	..	277·8	..	..	274	..
309	Sitka	57 4	135 20	27	1002·5	1005·8	−0·6	283·8	287·4	..	278·4	273·6	..	281·1	+0·3	..	384	+80
310	Prince Rupert	54 18	130 18	52	..	1009·6	..	284·5	293·0	13th	279·3	271·3	19th	281·9	..	..	315	+8
311	Barkerville	53 2	121 35	1274	..	1015·6	..	278·1	286·3	13th	269·7	262·4	20th	273·9	−1·7	*273·8*	82	+3
312	Kamloops	50 41	120 29	379	..	1015·7	−0·9	285·4	294·7	2nd	276·0	269·0	28th	280·7	−1·4	*280·5*	17	
313	Calgary	51 2	114 2	1033	..	1014·0	−0·5	283·7	294·1	3rd	271·2	263·6	21st, 22nd	277·4	−1·2	*277·3*	28	+15
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	267·4	30th, 31st	..	..	..	..	−8
315	Prince Albert	53 10	106 0	436	..	1011·5	−1·7	281·9	294·1	1st, 3rd	271·8	266·9	21st	276·9	+0·1	*276·5*	14	−14
316	Qu'Appelle	50 30	103 47	645	..	1013·3	−1·2	284·3	299·7	1st	272·3	266·3	31st	278·3	+1·4	*277·6*	12	−20
317	Minnedosa	50 15	99 50	518	..	1013·7	..	284·2	297·7	4th	271·7	264·1	22nd	277·9	+0·1	*277·0*	7	..
318	Berens River	52 18	97 23	216	..	..	..	285·1	295·2	1st	272·9	266·3	29th, 31st	279·0	..	*278·2*	64	..
318a	York Factory	57 0	92 28	11	1009·2	1010·6	−2·9	..	285·8	16th	268·6	263·6	29th	272·7	+0·8	..	..	..
319	Fort Hope	51 32	87 48	..	980·3	..	..	280·3	292·4	2nd	271·4	262·4	23rd	275·8	..	..	21	..
320	Moose Factory	51 16	80 56	9	1010·3	1011·4	..	281·8	292·4	17th, 18th	271·6	266·3	29th	276·7	..	..	65	..
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1006·8	1007·3	−2·2	274·7	281·1	..	269·9	260·0	..	272·3	−1·1	..	..	..
325	Davis Inlet	55 50	60 50	..	1002·7	..	..	277·6	282·4	19th	270·2	261·3	17th	273·9	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	288·0	7th	..	269·1	17th	277·9	−0·5	..	21	−68
327	Belle Isle	51 55	55 20	133	994·2	1010·8	..	275·4	279·7	19th	271·8	265·2	17th	273·6	..	..	30	..
334	Valencia	51 56	10 15	13·7	1008·6	1010·8	−2·0	285·7	288·0	13th, 18th	280·8	274·7	4th	283·3	−0·4	283·6	131	−8
335	Aberdeen	57 10	2 6	27·4	1005·0	1009·3	−0·9	283·9	289·7	7th	277·8	271·3	21st	280·9	−0·4	281·1	103	+28
336	Greenwich	51 28	W 0 0	48·5	1008·4	1014·1	+0·9	286·9	291·9	13th	277·1	271·3	6th	282·0	−1·2	281·8	48	−23
337	Uccle	50 48	E 4 22	100	1003·1	1014·3	−0·2	286·1	291·4	14th	277·4	271·4	7th	281·8	−1·7	*281·5*	72	−6
338	De Bilt	52 6	5 11	3·0	1014·4	1014·8	+2·3	286·4	289·8	15th	276·0	269·7	7th	281·2	−2	280·9	65	−27
338a	Hamburg	53 33	9 59	26·0	1012·0	1015·2	+1·4	284·0	289·0	28th	277·6	273·0	7th	280·8	−1·4	280·8	49	−9
339	Copenhagen	55 41	12 36	5·0	1014·2	1014·8	+2·0	282·8	286·0	2nd	278·2	272·0	4th	280·5	−0·6	..	59	−11
340	Potsdam	52 23	13 4	84·9	1006·2	1016·5	+1·0	284·1	289·0	28th	276·1	270·4	4th, 7th	280·1	−2·3	279·6	28	+42
340a	Upsala	59 51	17 38	24·0	1012·4	1015·4	+3·5	279·8	284·9	5th	274·0	266·9	4th	276·9	−1·2	276·7	95	+8
341	Warsaw	52 15	21 1	120	1003·8	1018·7	+2·7	..	289·4	1st	275·3	267·6	27th	278·1	−3·8	*278·0*	52	−5
342	Jurjev	58 23	26 43	74·5	1008·4	1017·9	+3·9	277·5	284·8	2nd	271·9	260·6	27th	274·7	−4·3	*274·8*	50	
343	Petrograd	59 56	30 16	4·8	..	1017·9	+4·3	..	283	..	..	263	..	274·5	−3·0	*274·4*	33	−11
344	Kiev	50 27	30 30	182·9	..	1021·6	+2·8	..	292	..	..	266	..	276·0	−4·7	*275·9*	29	−20
344a	Moscow	55 45	37 34	156	..	1021·0	+3·0	..	285	..	..	256	..	273·4	−4·0	*273·4*	62	+24
345	Saratov	51 32	46 3	59·9	..	1021·6	+1·1	..	291	..	..	259	..	276·0	−3·4	*275·9*	62	+23
346	Kazan	55 47	49 8	79·8	1011·8	1021·9	+2·7	..	286·4	13th	..	255·9	29th	273·1	−3·6	*273·1*	72	+42
347	Orenburg	51 45	55 6	114·1	..	1024·2	+1·9	..	287	..	..	258	..	275·3	−1·9	*275·2*	41	+10
348	Perm	58 1	56 15	163·0	..	1021·8	..	..	283	..	..	256	..	269·7	−4·9	*269·6*	81	+41
349	Ekaterinburg	56 50	60 38	288·9	..	1024·0	+5·6	..	285	..	..	253	..	269·4	−4·6	*269·4*	71	+50
350	Tobolsk	58 12	68 14	108·3	1010·2	1024·2	..	..	283·6	5th	265·1	252·8	31st	268·4	−5·1	*268·3*	18	+7
351	Akmolinsk	51 12	71 23	? 347	982·3	1025·6	0·0	..	290·8	5th	269·5	262·9	8th	274·0	−1·1	*273·9*	28	+1
352	Omsk	54 58	73 23	87·9	1013·1	1024·5	+4·9	..	285·0	4th	266·2	252·4	26th	269·7	−4·6	*269·6*	18	+79
353	Barnaoul	53 20	83 47	162·2	1005·6	1026·3	+2·9	..	290·2	6th	266·6	256·2	23rd	270·2	−4·2	*270·1*	104	+50
354	Tomsk	56 30	84 58	121·6	1009·2	1025·0	+5·2	..	287·6	6th	263·9	252·3	22nd, 23rd	267·3	−6·1	*267·2*	29	
355	Minousinsk	53 43	91 41	? 255	994·8	1027·5	..	..	282·8	6th	263·2	246·2	27th	268·0	..	*267·9*	47	+25
356	Eniseisk	58 27	92 11	84·4	1013·2	1024·3	+4·4	..	280·8	6th	262·2	250·6	22nd	265·7	−6·3	*265·6*	21	−13
357	Irkutsk	52 16	104 19	467·0	966·8	1025·6	+1·8	..	284·7	8th	263·2	252·1	21st	267·9	−5·4	*267·9*	4	..
358	Kirensk	57 47	108 7	? 263	991·0	1025·1	..	..	279·9	8th	260·0	243·2	29th	264·1	..	*264·1*	21	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	278·3	9th	256·5	237·5	31st	261·7	..	*261·7*	18	..
360a	Nertchinsk	51 59	116 35	484·3	960·4	1021·6	..	..	282·1	2nd	261·0	247·6	31st	267·1	−7·4	*267·1*	9	..
361	Tygan Ourkan	54 5	124 46	? 370	972·6	1019·9	..	..	282·9	10th	259·9	248·0	31st	265·5	..	*265·5*	10	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	292·8	1st	261·2	245·6	29th	268·4	..	*268·4*	2	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·3	1009·0	−4·6	275·2	288·4	..	267·5	247·9	..	271·9	−2·6	*271·9*	96	+58
366	Okhotsk	59 21	143 17	6.0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk	52 53	158 47	87·1	997·4	1008·2	+0·4	278·9	285·0	..	273·7	268·1	..	276·3	−1·0	..	100	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	25·9	..	1016·5	−0·4	285·9	290·3	2nd, 5th	278·6	273·6	20th	282·2	−1·6	282·1	59	+2
412	Portland, Oregon	45 32	122 41	46·6	1012·6	1017·9	0·0	288·2	295·2	13th	279·7	276·3	18th	283·9	−0·9	*283·4*	85	−8
413	Macleod	49 44	113 24	954	..	..	..	284·3	296·1	1st	273·4	261·3	30th	278·9	−1·2	*278·6*	13	−21
414	Helena	46 34	112 4	1253	874·1	1017·6	+0·7	283·8	297·4	3rd	273·4	265·8	31st	278·6	−1·1	*278·3*	38	+18
414a	Salt Lake City	40 46	111 54	1331	867·8	1015·9	−0·3	288·2	300·2	17th	277·5	271·9	21st	282·9	−1·3	*283·0*	75	+41
415	Cheyenne	41 8	104 48	1856	813·5	1016·9	+0·7	286·3	295·2	4th	272·9	266·3	21st	279·7	−0·7	*279·4*	66	+48
416	North Platte	41 8	100 45	860	917·9	1017·6	+1·0	292·2	304·1	4th	275·4	270·8	25th	283·8	+0·8	*283·5*	28	0
416a	Bismarck	46 47	100 38	510·2	954·9	1016·2	+0·7	287·7	299·7	4th	272·8	266·9	31st	280·2	+0·5	*279·8*	24	−3
417	Winnipeg	49 53	97 7	231·6	..	1013·2	−2·0	285·2	296·8	4th	273·9	264·7	30th	279·6	+1·3	*278·2*	29	−9
418	Duluth	46 47	92 6	345·3	973·0	1014·5	−1·4	286·3	299·7	5th	275·9	269·1	31st	281·1	+0·8	*281·0*	17	−53
419	Port Arthur	48 27	89 12	196·3	..	1013·8	−2·1	284·6	296·3	6th	274·4	266·9	23rd	279·5	+1·2	*279·3*	31	−34
420	Chicago	41 53	87 37	250·9	988·1	1018·3	+1·0	290·4	301·9	6th	282·1	276·3	23rd	286·2	+1·4	*286·2*	89	+25
421	Toronto	43 40	79 24	106·7	..	1017·2	−0·4	288·3	296·2	6th	278·3	271·9	16th	283·3	+1·3	282·6	58	−13
422	New York	40 43	74 0	111·3	1006·5	1017·9	0·0	291·9	299·1	7th	283·5	277·4	16th	287·7	+1·6	287·9	110	+15
423	St. John, N.B.	45 17	66 4	21·3	..	1016·2	+0·3	284·9	293·0	5th	278·8	273·0	16th	281·9	+0·3	*281·8*	82	−23
424	S. W. Point, Anticosti	49 24	63 35	9	1011·9	1013·0	..	279·6	286·9	7th	274·4	268·6	17th	277·0	..	..	90	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	1012·4	−0·4	283·8	292·4	7th	276·2	271·9	12th	280·0	−0·7	..	98	−61
435	Madrid																	
436	Nantes	40 24	3 41	655·4	942·7	1019·0	+1·8	293·6	297·2	13th	279·1	274·8	9th	286·4	−0·6	285·3	73	+28
		47 15	W 1 34	41·4	..	1016·6	+1·0	288·7	294·8	13th	279·3	272·8	8th	284·0	−1·6	*283·6*	86	+24
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1016·3	+1·1	287·7	293·6	14th	277·4	270·2	7th	282·5	−3·0	279·8	58	−3
438	Marseilles	43 18	5 23	75·0	..	1017·1	+2·3	291·4	295·3	2nd	283·0	278·0	19th	287·2	−0·9	*286·6*	62	−49
438a	Zürich	47 23	8 33	493·2	960·0	1019·2	−0·1	..	292·7	1st	..	272·8	7th	280·5	−0·9	..	164	+61
439	Rome	41 54	12 29	63·4	..	1017·1	+1·1	293·1	298	4th	284·8	278	24th	289·0	−0·8	..	106	−12
440	Vienna	48 15	16 22	202·5	993·5	1018·2	+1·1	283·4	291·7	2nd	276·8	272·3	6th	280·1	−2·5	279·9	42	−5
440a	Buda-Pesth	47 30	19 2	129·6	1003·5	1019·9	+2·2	285·6	296·8	3rd	277·2	272·9	27th	281·4	−2·1	..	68	+2
441	Bucharest	45 25	26 6	82	1010·8	1020·9	+3·1	..	297·0	3rd	..	270·2	29th	280·8	−4·3	..	23	−15
442	Odessa (University)	46 29	30 46	65·3	1013·8	1021·9	+2·9	283·2	295·6	3rd	277·3	263·2	28th	280·3	−4·0	*280·3*	94	+64
443	Kharkov (University)	50 0	36 14	140	..	1023·1	+2·3	..	290	..	..	256	..	275·5	−4·9	*275·4*	34	−6
444	Novorossiisk	44 40	37 49	37	..	1019·6	..	..	295	..	..	269	..	284·2	−2·9	*284·1*	61	+21
444a	Tiflis	41 43	44 48	409	..	1020·8	+0·4	..	297	..	..	278	..	286·2	−0·8	*286·2*	102	+67
445	Astrakhan	46 21	48 2	−14	..	1022·7	+1·2	..	293	..	..	269	..	280·8	−2·5	*280·7*	11	+1
446	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Krasnovodsk	40 0	52 59	−15	..	1019·6	..	..	298	..	..	280	..	289·8	−0·7	*289·8*	..	..
448	Tachkent	41 20	69 18	478·3	965·1	1021·4	−1·2	296·0	302·8	19th	279·3	271·6	10th	287·7	+2·4	*287·4*	4	−20
449	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Narynskoe	41 26	76 2	?2015	799·2	..	..	..	292·2	4th	273·6	267·5	14th	279·6	+2·2	*279·6*	7	..
451	Vernyi	43 16	76 53	? 835	925·7	1023·6	+1·4	290·4	301·3	1st	..	..	..	283·2	+2·7	*283·2*	32	−15
452	Mukden	41 48	123 23	43·8	1015·2	1020·7	+1·1	284·6	300·0	3rd	273·3	263·0	22nd	279·0	−4·3	278·8	84	+41
461	Joshin	40 40	129 11	4·0	1017·6	1018·1	−0·3	288·1	294·9	3rd	277·5	269·7	22nd	282·8	−2·2	282·6	72	+45
462	Vladivostok	43 7	131 54	26·8	1015·4	1018·7	−0·4	284·8	294·0	..	275·8	265·9	..	280·3	−2·2	*279·9*	60	..
463	Ochiai	47 20	142 44	15·0	1012·2	1014·0	..	282·9	292·8	2nd	272·0	262·2	25th	277·5	..	277·4	95	..
464	Nemuro	43 20	145 35	26·7	1014·1	1017·4	+1·8	286·4	292·5	3rd	277·4	269·9	23rd	281·9	−1·4	282·0	70	−22
465		N.	E.															
466																		

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1010·8	1016·6	+0·3	293·1	300·2	2nd	284·0	281·9	21st	288·6	+1·0	*287·8*	12	−20
512	San Luis Obispo	35 18	120 39	61·3	1008·6	1015·9	+0·3	295·6	306·3	14th	281·2	275·8	22nd	288·4	+0·3	*287·8*	0	−33
513	Modena																	
514	San Diego	37 48	113 54	1670	833·8	1015·6	+1·0	286·7	294·1	17th	272·9	268·6	31st	279·8	−3·3	*279·7*	81	+61
515	Santa Fé	32 43	117 10	26·5	1011·1	1014·2	0·0	294·6	307·4	13th	286·2	282·4	29th	290·4	+0·2	*290·2*	23	+10
516	Denver	35 41	105 57	2138	788·7	1015·6	+1·0	288·7	294·1	18th	276·1	271·3	31st	282·4	−0·6	*282·2*	21	−5
517	Abilene	39 45	105 0	1613	837·8	1016·2	0·0	289·7	301·3	4th	275·6	269·1	31st	282·7	−0·9	*282·4*	43	+18
518	Saint Louis	32 23	99 40	529·7	956·0	1016·9	+0·7	298·7	305·8	4th	283·8	277·4	31st	292·2	+1·3	*292·0*	31	−28
519	Mobile	38 38	90 12	172·8	997·7	1018·3	+0·3	294·2	303·0	6th	283·8	275·8	23rd	289·0	+1·3	*288·7*	66	+5
520	Nashville	30 41	88 2	17·4	1014·6	1016·6	−0·7	298·6	304·1	8th	290·1	281·3	24th	294·3	+1·8	*293·9*	285	+203
521	Charleston	36 10	86 47	166·4	1000·3	1020·3	+1·7	296·2	304·1	9th	283·4	275·8	25th	289·8	+1·1	*289·6*	62	0
522	Washington	32 47	79 56	14·6	1016·4	1017·9	0·0	296·8	301·3	7th	289·2	282·4	24th	293·0	+0·5	*292·7*	25	−76
523		38 54	77 3	34·1	1014·9	1018·9	+0·3	294·6	303·6	10th	281·8	275·2	28th	288·2	+1·5	*288·0*	17	−61
524	Bermuda	32 17	64 46	46·0	..	1017·8	+1·1	299·1	301·7	12th	293·4	289·1	28th	296·2	+0·3	..	55	−146
531	Horta	38 32	28 38	30	..	1021·6	+1·8	295·0	298	4th	290·4	286	29th	292·7	+0·4	..	96	−19
532	Ponta Delgada	37 44	25 40	17	..	1021·6	+2·3	294·3	296	sev. dates	289·7	287	30th	292·0	+0·2	..	52	−34
533	Madeira (Funchal)	32 37	16 54	25	1016·8	1019·8	..	295·8	298·0	15th	286·4	284·8	27th	291·1	..	..	86	+13
534	Lisbon	38 43	9 9	95·4	1006·8	1018·3	+1·4	293·2	298·5	14th	287·0	283·0	26th	290·1	−0·1	*289·9*	99	+19
535	Casablanca	33 37	7 35	17	1015·4	1017·8	..	..	..	..	..	286·2	..	291·6	−0·4	..	41	+11
536	Gibraltar	36 6	5 21	16	1016·1	1018·0	+2·9	295·1	300·2	1st	287·8	285·2	9th, 26th	291·5	−0·7	..	16	−63
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·0	+1·0	296·9	303·5	2nd	289·7	286·7	23rd	293·3	−1·0	..	118	+ 45
538	Palma	39 33	2 42	..	..	1017·6	+1·3	295·1	297	sev. dates	287·3	282	15th	291·2	..	..	20	..
538a	Tunis	36 48	10 10	43	..	1021·4	+4·8	296·5	303·0	3rd	287·2	282·0	23rd	291·9	−0·7	..	73	+ 37
539	Malta	35 54	14 31	59	..	1019·4	+2·0	295·5	299	3rd, 4th	291·0	289	sev. dates	293·2	−1·3	..	23	− 5
540	Catania	37 30	15 3	64·9	..	1018·4	+1·7	294·9	299·6	3rd	288·4	285·0	21st	291·7	−1·3	..	82	+ 38
541	Athens	37 58	23 43	107·1	..	?1018·6	+1·2	295·0	300	5th	286·6	281	29th	290·8	−1·9	*290·4*	35	− 9
542	Alexandria	31 9	29 54	32·0	..	1016·6	+0·1	300·9	313	3rd	293·6	286	31st	297·2	+0·3	*296·6*	0	..
543	Cairo (Helwan)	29 52	31 20	115·6	..	1016·2	0·0	302·5	312	4th	291·2	283	30th	296·8	+0·2	296·5	0	..
544	Nicosia	35 12	33 24	22·1	..	1014·3	−1·0	302·7	311	9th	285·6	278	31st	294·2	−0·4	..	19	..
544a	Beirut	33 54	35 28	52·4	..	1014·0	−0·9	298·9	305	1st, 8th	292·5	284	30th	295·7	−1·1	..	161	+ 103
545	Baghdad	33 21	44 28	38·7	1009·5	1014·1	+0·5	306·7	312·6	1st	290·1	284·3	22nd	298·4	+0·1	..	4	+ 2
546	Lenkoran	38 46	48 52	−19	1021·9	1019·5	−0·6	..	297·5	25th	286·4	283·0	30th	289·5	+0·8	*289·5*	278	+ 161
547	Busrah	30 31	47 53	7·6	1013·0	1014·1	..	307·6	313·5	1st	294·9	290·3	21st	301·3	+2·1	..	3	+ 1
548	Meshed	36 16	59 35	946	911·2	1019·0	..	297·8	303·8	1st	278·9	272·8	13th	288·3	+1·6	..	3	− 7
549	Quetta	30 11	67 3	1677	836·9	..	+1·0	297·7	300·3	3rd	276·2	273·9	14th, 18th	286·9	+0·4	*286·9*	0	− 2
550																		
551	Lahore	31 34	74 20	214	987·8	1012·5	+0·8	308·9	312·7	3rd, 4th	288·8	285·9	21, 22, 26	298·8	+0·8	*298·0*	0	− 4
551a	Simla	31 7	77 8	2204·3	784·4	..	+1·6	290·5	293·5	2nd	284·1	281·8	25th	287·3	+0·6	*287·3*	0	− 4
552	Leh	34 10	77 42	3506	669·7	..	+1·0	288·9	295·7	2nd	272·3	269·1	30th	280·6	+0·8	*279·7*	0	− 25
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	0	− 25
559	Hang Kow	30 35	114 17	37·0	1016·8	1021·2	+1·6	296·3	303·5	3rd, 4th	286·9	283·7	25th	291·6	−0·2	..	43	− 70
560	Tiensin	39 10	117 10	5·0	1021·4	1022·0	+1·3	288·0	299·3	1st	281·3	274·7	25th	284·7	−3·4	..	20	− 51
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1020·2	+1·1	296·6	301·9	4th	285·8	278·8	7th	291·2	+0·2	290·1	47	− 59
562	Chemulpo	37 29	126 32	67·6	1012·4	1020·7	+2·1	290·0	299·6	3rd	280·8	273·4	22nd	285·4	−2·9	285·3	40	+ 15
562a	Nagasaki	32 44	129 52	133·0	1002·2	1018·0	+1·2	294·2	298·6	5th	286·0	282·6	17th	290·1	−1·4	289·9	117	− 71
563	Kioto	35 1	135 46	49·4	1012·4	1018·3	+1·2	295·7	301·6	5th	282·2	276·9	13th	288·9	−0·2	288·4	53	− 70
564	Tokio	35 41	138 45	21·3	1015·5	1018·0	+1·2	293·7	301·2	7th	285·2	280·3	20th	289·4	+0·2	288·9	108	− 68
565	Miyako	39 38	141 59	30·4	1014·7	1018·3	+1·1	291·7	297·9	28th	280·1	272·7	30th	285·9	−0·4	285·2	104	− 72
566																		
		N.	E.															

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	+1·9	301·2	303·0	..	295·5	293·0	..	298·3	+0·4	..	61	− 21
606																		
615	Zacatecas	22 47	102 35	2610	747·6	..	..	289·0	292·0	11th	282·5	276·8	15th	285·8	..	..	62	..
616	Leon	21 7	101 41	1798·6	824·2	..	−0·4	297·5	299·8	18th	285·5	282·0	16th	291·8	+0·1	..	47	+ 12
617	Galveston	29 18	94 50	16·5	1014·3	1016·2	−0·7	298·8	303·6	3rd	293·2	285·8	31st	296·0	+0·6	*295·9*	52	+ 13
618	New Orleans	29 58	90 4	15·5	1014·4	1016·2	−0·7	299·3	304·1	10th	291·7	284·7	26th	295·5	+1·7	*295·1*	63	..
619	Havana	23 8	82 22	24·3	..	1013·6	+0·1	302·1	304·7	14th	296·0	293·5	27th	299·1	+0·6	299·3	75	− 170
620	Key West	24 33	81 48	6·7	1012·7	1013·5	−0·3	302·5	304·1	1st	297·2	291·3	29th	299·8	+0·9	*299·8*	157	+ 48
621	Nassau, Bahamas	25 5	77 21	7·6	..	1014·1	−0·5	302·8	304·9	1, 3, 4	297·0	294·1	31st	299·9	+1·1	..	112	− 48
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	295·6	299·3	..	289·0	286·2	..	?292·3	..	..	26	..
634	Las Palmas, Canary Islands	28 1	W15 26	9	1019·1	1020·1	+0·9	298·3	301·4	31st	291·3	288·0	28th	294·8	−0·7	..	11	− 12
637	Insalah	27 17	E 2 27	330	..	..	..	..	..	..	..	..	..	..	..	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1017·2	−0·1	308·0	317	6th	289·9	287	31st	299·0	+0·6	*299·2*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1013·8	+0·8	309·0	315	5th	287·4	279	31st	298·2	−3·1	*298·3*	..	..
643	Suez	29 57	32 32	3·4	..	1015·9	+0·8	305·3	313	3, 4, 9	290·7	287	21st	298·0	+0·2	..	0	..
644	Aswan	24 2	32 53	99·6	..	1013·8	+1·2	309·1	317	6th	292·9	285	31st	301·0	−0·9	*301·5*	..	..
647	Bushire	28 59	50 53	4	1013·1	1013·7	+0·5	303·9	306·8	3rd	295·3	292·4	23rd	299·6	+0·2	..	0	− 3
648	Jask	25 44	57 47	4	1012·6	1013·0	+0·5	305·7	307·6	4th, 18th	296·4	294·0	14, 15, 22	301·1	−0·3	..	0	− 1
649	Kurrachee	24 53	66 57	4	1012·2	1012·6	+0·7	304·3	308·3	14th, 22nd	295·8	293·8	18, 25, 27	300·0	+0·8	*299·3*	0	..
650	Hyderabad, Sind	25 24	68 18	29	1008·6	1011·9	+0·9	309·8	314·4	1st	293·7	290·2	17th, 20th	301·8	−0·2	..	0	− 7
651	Jaipur	26 56	75 52	436	964·2	1013·0	+0·7	308·3	311·2	2nd	290·9	287·2	26th	299·6	+0·4	*298·9*	0	− 49
652	Nagpur	21 8	79 5	310	977·9	1012·7	+1·3	306·1	307·8	3rd	292·9	287·3	27th	299·5	+0·3	*299·0*	0	− 64
653	Allahabad	25 25	81 51	91	1001·8	1012·5	+1·1	306·9	308·3	6 days	291·3	287·7	27th	299·1	−0·1	*298·3*	0	− 70
654	Calcutta	22 36	88 23	6	1010·9	1011·7	+0·6	304·2	306·4	14th	296·4	292·4	27th	300·3	+0·3	*300·0*	109	+ 25
655	Gauhati	26 8	91 41	59	1006·7	1013·5	..	303·2	305·1	14th, 15th	294·4	290·8	27th, 29th	298·8	..	..	43	− 56
655a	Cherrapunji	25 15	91 42	1313	870·7	..	..	294·9	298·1	22nd	288·4	284·4	23rd	291·7	..	..	938	+ 560
656	Shillong	25 33	91 48	1500	852·0	..	..	294·6	296·3	4 days	285·7	280·9	30th	290·2	..	..	258	+ 32
656a	Akyab	20 11	92 56	6	1011·4	1012·0	+0·9	302·7	304·9	6th, 20th	297·4	294·9	31st	300·1	−0·8	*299·7*	575	+ 252
657	Phu Lien	20 48	106 37	115·6	1001·7	1015·2	+1·5	302·7	305·9	2nd	294·2	291·0	21st	298·4	−0·2	297·4	26	− 157
658	Moncay	21 31	107 51	10	1014·0	1015·2	+1·8	302·4	305·8	1st	293·2	290·7	3rd	297·8	−0·3	..	10	..
659																		
660	Hong Kong	22 18	114 10	33·2	..	1014·7	+1·2	300·5	305·3	28th	295·3	293·8	10th, 17th	297·9	−0·1	297·5	0	− 118
661	Taihoku, Formosa	25 2	121 31	9·3	1014·7	1015·7	+1·3	299·7	304·8	15th	292·1	287·3	4th	295·9	−1·0	295·4	56	− 47
662	Naha	26 13	127 41	10·5	1013·5	1014·7	+0·9	300·3	303·3	28th	293·8	291·0	18, 20, 21	297·0	−0·2	296·8	137	− 14
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min, or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER 1912.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

OCTOBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	846·7	..	..	298·5	301·0	20th	290·0	286·8	16th	294·3	..	..	43	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1005·4	1011·9	..	..	307·0	19th	..	285·1	16th	300·9	..	..	137	+ 80
718	Mexico	19 26	99 8	2280	780·3	..	+0·3	293·8	295·8	6th	283·9	280·2	14th	288·9	+0·5	288·7	49	+ 9
718a	Oaxaca	17 4	96 44	1563	846·4	..	..	300·2	304·1	11th	286·9	285·4	13th	293·6	..	..	41	..
719	Belize	19 29	88 12	1·9	..	..	..	304·5	306·3	7th	297·4	294·1	30th	300·9	..	..	185	− 94
720	San Salvador	13 44	89 9	657	938·2	1011·8	+1·3	302·7	305·0	3rd	291·3	288·8	28th	297·0	+0·2	..	330	+ 64
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·1	+0·6	303·8	306·8	20th	295·4	294·1	4th	299·6	0·0	*298·9*	125	− 88
722	Port au Prince	18 34	72 22	37·4	1007·8	1012·1	+2·5	304·6	306·2	2nd	295·3	294·2	7th, 15th	300·0	..	299·3	161	− 7
723	St. Croix (Christiansted)	17 45	64 42	6·6	1010·0	1010·7	..	303·4	305·9	..	298·0	296·5	..	300·7	..	..	292	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	993·4	1011·3	+0·2	302·6	304·1	16, 30, 31	297·2	295·8	4, 5, 15	299·9	+0·2	..	120	− 62
725	Barbados	13 8	59 36	55·2	..	1010·1	..	302·4	304·1	30th	297·7	293·9	27th	300·1	+0·3	*299·9*	189	+ 33
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·4	1014·6	+1·5	300·1	300·8	30th	296·3	296·0	4, 14, 28	298·2	−1·1	..	0	− 51
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·7	1015·6	..	301·4	302·8	15th	297·3	295·0	10th	299·3	..	..	1	..
733	Bathurst	13 24	16 36	5	1011·5	1012·1	−0·7	303·8	306·9	12th	297·4	295·8	1st	300·6	+0·4	..	81	− 2
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	308·3	310·8	24, 27, 31	293·1	288·6	1st	300·7	..	..	53	..
735	Ségou	13 34	6 17	?272	..	..	..	..	..	..	294·6	292·0	26, 30, 31	..	..	..	7	..
736	Timbouctoo	16 43	W 2 52	250	..	1009·5	−0·1	313·6	317·0	..	295·0	291·0	..	304·3	−0·6	*303·6*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·3	308·6	20, 22, 23	295·0	291·9	25th, 29th	300·7	−0·4	..	1	− 2
738	Kontagora	10 24	5 24	400	..	..	..	306·7	308·0	23, 26, 29	293·2	288·0	29th	300·0	+0·6	..	95	+ 1
739	Maiduguri	11 48	13 12	370	..	..	..	310·0	312·4	25th	293·3	289·1	28th	301·7	..	..	26	+ 16
740	Katagum	12 17	10 22	307	..	..	..	310·6	313·0	18th	292·1	286·9	23rd	301·3	..	..	17	+ 8
742	Kadugli	11 2	29 45	503	..	..	..	308·0	311·0	24, 25, 26	288·3	284·0	24th	298·2	..	..	54	..
743	El Obeid	13 11	30 14	585	..	1012·4	+0·4	308·9	311	14th	292·6	289	31st	300·8	−0·6	*300·5*	4	− 17
744	Khartoum	15 37	32 33	390	..	1010·0	+1·2	311·5	315	4th	297·2	294	30th, 31st	304·4	0·0	*304·7*	0	− 3
746	Aden	12 45	45 3	28·7	1010·1	1013·3	+0·9	305·0	308·6	7th	298·3	296·3	30th	301·7	−0·2	*300·8*	0	− 2
751	Bombay	18 54	72 49	11·3	1010·8	1012·1	+0·4	304·6	306·6	20th	298·2	295·2	11th	301·4	+0·6	*300·7*	17	− 30
752a	Kodaikanal	12 18	76 40	768	927·0	1011·4	0·0	301·4	303·0	8th	292·4	288·0	30th	296·9	−0·3	*296·1*	158	− 20
753	Madras	13 3	77 28	23·43	771·0	..	−0·2	289·7	291·9	11th, 18th	283·9	281·1	31st	286·8	−0·1	286·2	273	− 5
754	Waltair	13 4	80 14	6·7	1009·9	1010·7	−0·1	305·5	309·9	8th	297·2	293·3	31st	301·3	+0·6	300·8	279	− 7
755	Port Blair	11 40	92 40	17·7	1009·1	1011·0	+0·3	302·9	304·2	6 days	297·4	292·7	27th	300·2	−0·7	*299·5*	319	+ 42
756	Rangoon	16 46	95 48	5·5	1011·9	1012·6	+1·1	304·1	305·5	20, 21, 26	297·2	296·1	30th, 31st	300·6	+0·1	*299·7*	127	− 45
757	Saigon	10 46	106 42	11·2	..	1010·4	+1·2	304·5	306·2	1st	295·9	294·2	11th	300·2	−0·2	..	201	− 44
758	Nhatrang	12 16	109 12	6·8	..	1010·8	+1·2	303·4	304·4	6th, 13th	295·5	294·2	30th	299·5	−0·4	..	131	− 202
759	Bolinao	16 24	119 53	9·7	..	1008·2	..	304·3	306·1	22nd	296·7	295·6	21st, 30th	300·5	..	299·8	274	+ 96
760	Vigan	17 34	120 23	14·7	..	1008·2	..	303·7	306·6	15th	296·1	295·1	21st	299·9	..	299·7	372	+ 187
761	Manila	14 35	120 59	14·2	..	1008·7	−0·4	303·9	306·3	28th	296·4	294·7	25th	300·2	−0·5	299·3	170	− 18
762	Ormoc	11 0	124 36	5·6	..	1008·3	..	303·6	305·6	27th	296·0	293·5	29th	299·8	..	299·4	484	+ 226
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1007·7	..	302·6	305·0	5th	297·3	294·0	15th	300·0	..	..	380	..
		N.	E.															

Between Latitude 10° N. and 0°.

OCTOBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	306·4	308·6	12th, 27th	297·8	294·7	27th, 28th	302·1	+0·3	*300·2*	93	+ 6
819	Culebra	9 10	79 40	123·1	..	1010·6	0·0	303·0	305·2	5th	295·2	293·0	29th	298·9	−0·2	..	258	− 35
822	Caracas	10 31	66 56	?	896·5	..	..	298·9	300·9	..	289·7	288·1	..	294·3	..	..	45	..
823	El Peru, Guayanavieja	7 30	62 0	?300	984·8	..	..	302·9	304·7	1st, 31st	294·8	293·0	2nd	298·9	..	..	58	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1011·8	1012·0	+0·7	304·4	304·9	2nd	297·6	295·8	4th	301·0	+0·5	..	48	− 75
826	Paramaribo	5 49	55 9	4	1012·7	1013·1	..	305·1	306·6	5th	295·7	294·0	9th	300·4	..	*299·4*	97	..
826a	Cayenne	4 56	52 21	6	..	..	..	305·6	306·6	6th	296·3	294·8	29th	301·0	+0·1	..	8	− 24
833	Conakry	9 31	13 43	16	1009·9	1011·7	−0·3	303·5	305·2	..	295·7	291·9	..	299·6	+0·4	..	425	..
834	Sierra Leone	8 30	13 9	68·3	1004·4	1012·3	+0·7	304·5	306·8	8th	295·4	293·3	1st	300·0	+0·2	..	196	− 151
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	302·5	..	..	296·3	..	..	299·4	+0·7	..	11	− 36
837	Lagos	6 22	E 3 28	7·6	1010·3	1012·1	+0·3	303·3	304·1	..	296·7	294·7	..	300·0	+0·8	..	101	− 104
838	Zungeru	9 48	6 10	130	..	1012·1	+0·2	306·3	309·1	26th	293·9	290·2	29th	300·1	+0·3	..	36	− 55
838a	Libreville	0 23	9 26	35	..	..	..	302·6	304·4	24th	294·5	293·4	27th	298·6	0·0	..	581	+ 193
839	Yola	9 12	12 30	259	..	..	..	306·6	308·6	22nd	296·1	294·7	15th	301·3	+1·0	..	65	− 17
841	Kafia Kingi	9 22	24 18	596	946·8	1014·3	..	..	..	..	..	..	..	295·3	..	..	72	..
842	Wau	7 42	28 3	440	..	1011·2	+0·7	306·6	309	21, 23, 24	293·8	293	7th	300·2	+0·4	..	44	− 55
843	Entebbe	0 5	32 29	1177	883·2	..	+0·6	300·2	302·4	14th, 22nd	290·1	288·8	6, 9, 10	295·2	+0·6	..	24	− 63
844	Nandi	0 2	35 5	2010	..	..	..	300·4	301·9	10th	281·9	280·8	8th	291·2	..	..	24	..
845	Harrar	9 42	42 30	1856	..	..	..	299·7	302	sev. dates	287·4	287	sev. dates	293·6	..	..	33	..
851	Cothin	10 0	76 21	2·7	1011·1	1011·4	−0·2	302·7	304·5	28th	296·8	295·1	2nd	299·7	−0·2	*299·0*	664	+ 332
852	Colombo Observatory	6 54	79 53	7·3	1009·0	1009·8	+0·4	302·8	303·7	10th	296·6	294·7	10th	299·7	+0·1	*299·0*	438	− 7
853	Candy	7 18	80 40	504·5	..	..	..	300·7	303·6	14th	293·7	291·9	26th	297·2	−0·1	..	269	− 35
855	Medan	3 35	98 41	23·5	..	1010·6	+0·2	..	..	..	..	..	..	..	..	..	201	− 59
856	Kota Radja	5 32	95 20	7·1	..	1011·1	..	..	..	..	..	..	..	..	..	..	367	+ 175
857	Penang	5 34	100 20	5·0	1008·3	1008·9	−0·4	304·3	305·8	28th	296·3	295·8	1st	300·3	+0·3	..	278	− 152
858	Singapore	1 17	103 51	2·2	1009·7	1009·9	−0·3	303·9	305·6	17th	296·9	295·6	30th	300·4	+0·1	..	255	+ 69
860	Sandakan	5 49	118 12	..	..	..	..	304·4	305·2	5, 17, 28	296·8	296·3	sev. dates	300·6	+0·2	..	171	− 83
861	Tagbilaran	9 38	123 51	26·2	..	?1008·1	..	?305·5	307·6	4th	?296·8	295·3	20th	?301·2	..	300·1	199	− 82
862	Surigao	9 48	125 29	6	..	1007·8	..	..	..	..	..	..	..	..	..	..	402	+ 164
863	Yap	9 29	138 8	31·9	..	1007·4	..	304·6	305·9	17th	296·9	294·9	4th	300·8	..	..	320	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	271	0
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·6	1011·6	+1·7	306·3	306·9	sev. dates	295·4	294·7	21st, 25th	300·9	−0·3	..	20	+ 2
906																		
923	Manaos	3 8	59 59	32·4	1001·3	1005·0	−2·2	..	..	..	..	..	..	302·2	−0·2	..	111	+ 31
930	Fernando Noronha	3 51	W32 25	95	1001·3	1012·3	..	..	301·6	..	..	294·4	..	298·5	..	*298·4*	7	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	306·9	310·1	18th	292·2	289·9	1st	299·6	+0·2	..	244	..
940	Loango	4 38	11 50	? 50	..	..	..	301·9	303·5	21st, 28th	295·6	293·9	30th	298·8	..	..	79	..
943	Daressalam	6 49	39 18	7·6	1013·9	1014·7	..	301·7	303·3	11th	293·9	291·8	1st	297·8	..	298·0	13	..
944	Nairobi	1 18	36 59	1660	..	..	..	298·8	300·8	23rd	284·3	279·1	2nd	291·6	..	..	3	− 56
944a	Zanzibar	6 10	39 11	21·9	1014·9	1017·3	+0·9	302·1	303·1	23rd	297·1	296·2	1st, 20th	299·6	+0·4	..	25	− 68
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·1	303·0	27th	296·7	295·2	3rd	299·4	..	..	4	..
947	Seychelles	4 37	55 27	4·6	..	1013·3	+1·0	301·5	302·6	..	297·9	296·1	..	299·7	+0·6	*298·9*	109	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·4	+0·4	..	..	..	..	..	..	..	..	..	497	− 24
957	Batavia	6 11	106 50	8	1009·9	1010·8	+0·6	303·6	305·7	18th	296·5	295·3	3rd	300·0	−0·1	299·6	108	− 3
958	Pontianak	0 1	109 20	2·6	..	1011·1	+1·3	..	..	..	..	..	..	..	..	..	345	− 45
959	Passeroean	7 38	112 55	5·0	..	1010·5	+0·2	305·5	307·0	..	296·1	294·5	..	300·8	..	*301·5*	0	− 10
960	Kajoemas	7 56	114 9	950	..	..	..	299·9	302·5	16th	291·6	290·5	1st	295·8	..	294·8	13	− 26
961	Koepang	10 10	123 34	3·3	..	1011·1	..	..	..	..	..	..	..	..	..	..	2	− 13
962	Ambon	3 42	128 10	4·2	..	1010·8	+1·1	303·2	305·2	27th	295·8	293·5	13th	299·5	+1·0	299·1	67	− 120
965	Daru	9 4	143 13	8	..	1012·5	+1·2	302·7	..	..	295·7	..	..	299·2	−0·5	..	3	− 50
966	Port Moresby	9 29	147 9	39	..	1011·4	−0·1	302·3	..	..	296·8	..	..	299·6	−0·2	..	12	− 10
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	516	+ 29
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1009·0	−0·7	303·1	304·7	27, 30, 31	297·3	295·8	24th	300·2	0·0	..	270	+ 54
970	Ocean Island	0 52	169 36	27·8	..	1007·6	−1·1	304·3	304·7	sev. dates	297·4	296·3	6, 16, 29	300·9	0·0	..	280	+ 121
		S.	E.															

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1011·1	0·0	..	304·5	..	..	295·5	..	299·3	+0·6	..	248	+ 69
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·8	1016·0	−0·3	302·8	308·0	19th	292·3	287·4	2nd	297·6	+0·1	..	50	− 23
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1012·3	..	302·7	304·4	..	295·8	293·4	..	299·3	..	..	127	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1014·3	1015·5	..	298·7	301·0	23rd	286·8	285·2	2nd	292·8	+2·5	..	0	..
1022	Arequipa	16 22	71 33	2451	761·9	..	+0·1	293·5	295·8	15th	281·1	278·0	24th	287·3	+0·5	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	292	+1	..	0	− 35
1025																		
1026	Cuyaba	15 36	56 0	235	..	1018·0	+0·6	304·0	307·7	27th	296·9	293·1	2nd	300·5	−0·1	..	103	..
1035	St. Helena	15 57	W 5 40	632	946·7	1020·2	−0·1	290·8	292·7	12th	285·1	284·6	7th, 8th	288·0	+0·5	*287·6*	31	− 22
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	864·3	..	..	302·0	308·8	..	284·5	279·3	..	293·2	..	..	0	− 19
1043	Salisbury, Rhodesia	17 49	31 3	1487	858·8	..	..	301·6	306·6	..	284·7	279·4	..	293·1	..	..	8	− 24
1044	Zomba	15 23	35 18	899	908·6	1008·5	+3·9	302·8	306·3	5th	288·7	284·6	8th	295·8	−0·3	..	19	− 44
1045	Tamatave	18 9	49 26	4	1017·8	1018·2	+1·6	302·3	303·5	..	295·0	291·8	..	298·7	..	..	378	+ 4
1046	Tananarivo	18 55	47 32	1400	866·8	..	+0·9	300·2	304·2	22nd	286·4	283·9	6th	293·3	+0·8	291·8	24	..
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1014·3	+1·1	301·6	303·0	20th	297·2	295·8	3rd	299·4	−0·2	..	78	− 65
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·2	1010·8	+0·6	304·2	305·2	..	296·9	295·2	..	300·6	+0·5	..	4	− 55
1058																		
1061	Derby	17 18	123 40	16·2	..	1011·5	+0·5	308·1	314·4	10th	296·4	291·6	6th	302·2	+0·2	..	0	− 1
1062	Hall's Creek	18 13	127 46	373·4	..	1010·7	−0·3	311·2	313·7	14th	296·3	291·8	5th	303·8	+2·3	..	1	− 14
1063	Port Darwin	12 28	130 51	29·6	..	1011·0	+1·0	307·0	308·4	14th	298·3	296·8	2nd	302·7	0·0	*301·7*	26	− 23
1064	Daly Waters	16 16	133 23	213	..	1009·2	..	312·2	314·7	28th, 29th	294·6	288·6	8th	303·4	+0·4	..	0	− 25
1065	Mein	13 13	142 57	121·9	..	1010·8	..	306·9	309·7	26th	293·5	288·1	10th	300·2	..	..	12	− 14
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	308·7	312·7	21st	293·2	287·7	8th	300·9	..	..	1	− 18
1067	Samarai	10 37	150 40	6·4	..	1013·4	+2·1	302·1	..	..	296·3	..	..	299·2	+0·3	..	118	− 53
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1015·0	+0·4	299·1	301·3	29th, 31st	293·8	290·8	12th	296·5	−0·9	..	88	− 108
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	298·6	301·9	31st	293·0	289·1	15th	295·8	..	..	18	− 70
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1017·6	1021·1	..	295·9	298·2	14th	289·2	286·0	2nd	292·6	..	..	26	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·6	1016·6	..	290·4	292·6	1st	285·0	283·1	31st	287·7	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1015·8	1016·4	+1·6	299·4	299·8	16th, 17th	287·2	285·5	1st	293·3	+3·0	..	19	+ 18
1125	Goya	29 9	59 15	64	1009·7	1017·3	..	300·9	309·0	19th	287·9	279·5	4th	294·4	+1·5	*294·4*	198	+ 85
1126	Porto Alegre	30 2	51 13	26	1015·6	1017·1	..	297·8	305·2	19th, 20th	286·5	276·8	5th	292·2	..	292·1	97	..
1127	Curityba	25 26	49 16	908	914·8	1017·1	+0·5	294·4	303·1	20th	285·0	277·9	6th	289·7	−0·5	288·4	59	− 99
1128	Rio de Janeiro	22 54	W43 10	64	..	1016·3	+1·8	295·8	303·3	12th	291·6	287·4	6th	293·7	−1·5	..	143	+ 65
1139	Windhuk	22 34	E17 5	1665·3	935·4	..	..	302·1	305·2	16th, 17th	288·9	283·8	5th	295·5	..	295·7	0	..
1140																		
1141	Johannesburg	26 11	28 4	1874	825·7	..	+2·3	297·7	303·6	14th	283·6	275·1	6th	290·7	+1·4	*290·4*	18	− 41
1142a	Kimberley	28 43	28 46	?1232	883·8	..	+1·6	..	..	..	..	..	..	..	..	..	..	..
1143	Pretoria	25 45	28 11	1576	872·0	..	+2·4	302·8	308·1	18th	284·3	278·2	2nd	293·6	+0·8	..	30	− 31
1144	Durban	29 51	31 0	79·9	1009·8	1019·3	−0·2	297·2	305·2	17th	287·9	283·9	24th	292·6	−1·5	..	56	− 55
1147	Lorenzo Marques	25 58	32 36	59	..	1019·2	+3·0	300·2	314·4	22nd	290·0	285·4	3rd	295·1	−0·8	294·6	6	− 59
1148	Mauritius	20 6	57 33	54·3	1011·8	1018·2	+0·1	299·2	300·8	1st	291·6	288·8	22nd	295·4	−0·2	295·0	173	+ 141
1159	Onslow	21 43	114 57	4·3	..	1012·3	−0·6	306·6	310·6	24th	289·4	285·8	20th	298·0	+1·3	..	0	0
1160	Peak Hill	25 38	118 47	588·3	..	1011·5	−0·9	303·8	309·4	15th	288·8	284·1	8th	296·3	+1·3	..	10	+ 7
1161	Nullagine	21 53	120 5	385·6	..	1011·3	−0·5	309·3	314·7	31st	290·2	284·1	6th	299·8	+1·2	..	0	0
1162	Laverton	28 40	122 23	466·3	..	1014·5	−0·2	302·0	309·9	30th	286·4	279·1	8th	294·2	+1·6	..	1	− 7
1163	Alice Springs	23 38	133 37	587·0	..	1011·4	−0·7	305·3	312·4	31st	288·9	278·0	6th	297·1	+1·0	*297·1*	0	− 19
1164	William Creek	28 55	136 21	76·2	..	1013·5	..	302·8	314·7	30th	287·0	278·0	5th	294·9	+0·6	..	1	− 8
1165	Boulia	22 55	139 38	145·7	..	1012·7	+1·7	307·8	313·7	19th	289·5	282·5	6th	298·7	−0·7	..	0	− 15
1166	Mitchell	26 32	147 52	337·1	..	1014·3	..	301·8	309·8	21st	284·2	274·1	6th	293·0	..	..	66	+ 26
1167	Rockhampton	23 24	150 30	11·3	..	1015·3	0·0	303·3	308·6	22nd	290·3	285·9	7th	296·8	−0·2	..	174	+ 136
1168	Brisbane	27 28	153 2	41·7	..	1016·0	+0·3	299·7	305·2	9th	288·4	282·8	7th	294·1	0·0	..	149	+ 79
1169	Noumea	22 16	166 27	9	1013·4	1014·4	..	300·2	306·0	5th	291·4	287·2	19th	295·8	+0·6	..	36	− 20
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

OCTOBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1021·2	1022·4	+0·7	290·5	294·5	3rd	284·6	282·0	1, 5, 30	287·6	+0·9	..	58	+ 16
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1012·4	1017·2	+0·2	292·2	299·5	2nd	284·1	280·8	31st	288·2	−0·2	..	2	− 8
1222	Santiago	33 27	70 42	520	956·2	1016·9	+0·2	296·1	302·5	3rd	281·0	275·4	1st	288·6	+1·1	287·2	2	− 12
1223	Cordoba	31 25	64 12	439	965·1	1015·9	−0·8	299·0	307·4	9th	284·1	275·1	2nd	291·5	+0·7	291·1	68	+ 5
1224	Buenos Ayres	34 16	64 11	25·2	1013·5	1016·5	+0·4	294·7	302·0	29th	284·4	274·0	3rd	289·5	+0·1	289·4	178	+ 86
1225	Rio Grande	32 2	52 6	2·3	1015·9	1016·2	..	293·5	299·9	29th	287·8	278·0	4th	290·7	..	..	42	..
1226	Montevideo	34 52	W56 12	29·3	..	1015·9	−0·8	..	299·7	18th, 29th	..	278·9	5th	..	+0·3	288·7	124	+ 62
1239	Cape Town	33 56	E18 29	9	1017·2	1018·3	+0·9	295·1	306·2	29th	285·2	279·4	22nd	290·1	+1·0	..	24	− 18
1240	Danger Point	34 37	19 18	20	..	..	..	293·2	300·2	24th	287·0	282·4	5th	290·1	..	..	14	..
1241	Heidelberg	34 5	20 58	1541	852·9	..	+3·2	301·2	306·8	21st	282·1	274·7	1st	291·7	+0·8	..	26	− 10
1242	East London	33 2	27 55	10·1	1017·7	1018·9	+1·9	293·5	296·9	12th, 22nd	286·4	283·0	2nd, 7th	290·0	−0·5	..	31	− 27
1259	Perth (Observatory)	31 57	115 51	60·0	..	1017·4	+0·3	293·6	300·6	22nd	284·4	281·3	4th	289·0	−0·1	..	59	+ 7
1260	Katanning	33 42	117 35	309·7	..	1015·9	+0·3	294·4	303·1	23rd	281·2	276·4	4th	287·8	+0·9	..	29	− 14
1261	Coolgardie	30 57	121 10	423·3	..	1015·0	−0·1	299·1	309·3	15th	283·5	277·4	21st	291·3	+0·8	..	15	− 3
1262	Eucla	31 45	128 58	4·6	..	1015·1	−0·1	297·6	316·1	30th	283·6	276·3	5th	290·6	+0·6	..	5	− 12
1263	Streaky Bay	32 48	134 13	13·1	..	1016·0	+0·6	296·8	309·7	30th	284·2	278·0	15th	290·5	+0·8	..	18	− 6
1264	Adelaide	34 56	138 35	42·7	..	1015·3	−0·5	295·3	308·4	30th	283·5	278·4	5th, 14th	289·4	−0·2	..	24	− 21
1265	Melbourne	37 49	144 57	35·1	..	1014·0	−0·7	292·9	305·4	30th	281·5	275·5	16th	287·2	+0·1	..	34	− 34
1266	Bourke	30 13	145 58	110·1	..	1015·8	+1·1	301·5	312·3	31st	285·8	276·9	6th	293·7	−0·9	..	10	− 17
1267	Sydney	33 51	151 13	44·5	..	1015·0	+0·2	296·1	305·4	31st	286·7	281·3	15th	291·4	+0·9	..	29	− 43
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	75	− 69
1271	Auckland	36 50	174 50	38·1	..	..	..	289·6	293·0	6th	283·1	279·1	26th	286·4	−0·6	..	53	− 36
		S.	E.															

OCTOBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	286·2	289·7	twice	280·0	271·9	29th	283·1	−0·1	..	66	+ 23
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	285·9	289·3	25th	280·3	277·5	1st	283·1	..	..	128	..
1322	Punta Galera	40 1	73 44	40	1013·9	1018·8	..	286·7	290·0	4th	281·3	278·3	1st	284·0	..	..	167	..
1323	Bahia Blanca	38 45	W62 12	20	1014·6	1017·0	+0·5	295·2	302·6	22nd	283·0	273·0	2nd	289·1	+1·6	*288·5*	78	+ 23
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1008·1	−2·1	289·0	298·3	7th	280·8	275·9	14th	284·9	−0·3	..	84	+ 28
1366	Launceston	41 27	147 10	9·4	..	1009·8	..	290·4	295·6	22nd	280·7	274·4	5th	285·6	+0·4	..	60	− 7
1369																		
1370	Dunedin	45 52	170 31	90	..	1006·5	−2·0	289·8	294·1	twice	277·9	274·7	twice	283·8	+0·4	..	145	+ 71
1371	Christchurch	43 32	172 38	7·6	..	1008·6	−1·7	289·1	296·9	6th	279·5	273·9	27th	284·3	−0·4	..	74	+ 35
1372	Wellington	41 16	174 46	2·4	..	1011·5	−0·5	288·4	292·3	12th	282·5	277·2	2nd	285·4	+0·2	..	89	− 20
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·9	1002·6	..	..	..	..	275·5	273·0	1, 2, 16	279·7	..	..	393	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·6	1002·1	+2·8	284·9	290·0	21st	276·5	273·4	22nd	280·7	+1·1	280·6	30	+ 6
1423	Punta Dungeness	52 24	68 25	5	1003·0	1003·6	..	284·1	291·5	26th	278·4	274·5	1st	281·3	..	..	4	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1005·8	+0·8	282·2	288·0	28th	275·5	271·9	1st, 3rd	278·8	+0·5	278·9	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	999·2	999·7	−0·4	277·7	290·8	28th	270·6	263·8	5th	274·2	−1·0	*273·9*	66	−15
1430		S.	W.															

OCTOBER—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	990·8	991·7	−1·8	271·1	278·2	27th	264·7	248·7	4th	267·9	−0·8	268·4	32	− 2
1528																		

OCTOBER—ZONE 16.

Between Latitude 70° S. and 80° S.

1669	CapeEvans(McMurdo Sound)	S. 77 38	E. 166 24	18 metres.	.. mb.	985·1 mb.	+3·2 mb.	.. a.	268·6 a.	..	.. a.	244·2 a.	..	.. a.	+3·1 a.	257·1 a.	.. mm.	.. mm.
1670																		

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
1	SE by S	9·8	SE 3	SE 4	NE 2	N 2	E 6	E 6	SE 4	NE 2	NE 3	SE	4
2	SE by S	10·7	SE 2	SE 1	N 2	N 2	E 6	E 5	SE 3	NE 2	NE 2	E	2
3	SE	11·1	SE 1	SE 1	Calm 0	NE 2	E 6	E 3	E 2	NE 2	NE 2	NE	3
4	SE	11·8	SE 3	SE 2	N 2	W 2	E 4	E 4	E 1	E 2	NE 3	E	4
5	SE	9·1	SE 2	SE 1	Calm 0	SW 2	E 3	E 3	Calm 0	NE 2	E 2	NE	3
6	SE by S	7·8	SE 3	SE 1	SW 4	SW 2	E 5	E 1	E 3	NE 2	NE 2	NE	4
7	SSE	7·6	SE 3	E 3	W 2	SW 3	E 3	E 2	Calm 0	SW 3	SW 4	N	3
8	SSE	4·9	SE 2	SE 1	Calm 0	Calm 0	E 4	E 4	SE 1	SW 4	SW 1	NE	3
9	SSE	7·6	SE 3	E 3	Calm 0	SW 3	E 4	E 2	SE 3	SW 1	SW 2	S	1
10	SE by S	8·6	SE 3	SE 1	W 3	SW 2	E 3	E 3	SE 3	SW 1	SW 2	SE	2
11	SE	7·5	SE 4	SE 3	N 2	NE 2	E 4	E 3	Calm 0	SW 2	E 2	SE	1
12	SE by S	8·2	SE 3	SE 1	N 2	SW 2	E 8	E 7	Calm 0	SW 3	NE 3	E	4
13	SSE	11·6	SE 3	SE 1	W 2	SW 2	E 8	E 4	Calm 0	NE 3	NE 2	E	4
14	SE by S	10·5	SE 4	SE 3	N 2	N 2	E 6	E 5	SE 3	SE 5	E 3	Calm	2
15	SE by S	9·6	SE 2	SE 5	Calm 0	NE 3	E 6	E 8	SE 2	NE 1	NE 1	E	4
16	SE by S	9·0	SE 4	SE 3	Calm 0	Calm 0	E 8	E 5	SE 3	NE 2	NE 2	E	4
17	SSE	12·7	SE 3	SE 2	NE 3	N 2	E 5	E 4	Calm 0	SE 3	E 3	NE	2
18	SE by S	11·4	SE 1	SE 1	SW 2	W 2	NE 1	S 1	SE 4	NE 3	NE 2	S	2
19	SE by S	9·0	S 3	SW 2	NE 2	NE 2	S 1	S 1	SE 3	NE 2	NE 3	SE	3
20	SE by S	7·4	SSE 2	SW 3	N 2	N 2	NW 1	NW 2	SE 3	NE 3	NE 2	E	2
21	SE	10·1	SW 3	SW 2	NE 2	NE 2	NW 5	NW 2	SE 2	NE 3	NE 3	E	0
22	SSE	10·6	SE 3	S 2	NE 4	N 2	NE 2	NE 2	SE 3	NE 2	NE 3	Calm	1
23	SE by S	..	SE 2	E 2	N 2	N 2	NE 3	E 2	SE 3	NE 2	NE 3	S	1
24	..	..	SE 3	E 2	NE 2	NE 2	E 3	E 1	SE 2	NE 4	NE 2	SE	2
25	SE by S	7·2	SE 3	SE 3	N 2	N 2	E 2	E 2	SE 3	NE 2	NE 3	N	0
26	SE by S	11·9	SE 3	SE 4	NE 2	NE 2	E 3	E 3	SE 2	SE 3	SE 3	Calm	3
27	SE	10·6	SE 1	SE 1	Calm 0	Calm 0	NE 2	NE 2	SE 2	SE 3	E 3	E	2
28	SE by S	7·5	SE 4	SE 1	SW 2	N 2	E 3	E 4	SE 1	NE 2	E 2	E	2
29	SE by S	5·7	SE 4	SE 4	N 3	N 2	E 4	E 2	SE 2	NE 2	NE 2	NE	2
20	SSE	6·7	SE 4 *	SE 3	N 3	N 3	E 3	E 1	SE 2	NE 2	E 2	NE	2
31	SSE	..	SE 4	SE 3	NE 4	NE 2	E 7	E 2	SE 2	E 3	NE 2	E	2
Mean for month	..	9·2	2·8	2·2	1·9	1·9	4·2	3·1	2·0	2·5	2·4	..	2·1
Deviation from Normal	..	+0·5	..	..	..	..	+0·6		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1912.

**Spitsbergen.*—"Icefiord froze up at the beginning of the month."
**White Sea.*—"On the 25th Archangel became closed to navigation."
**Greenland Sea.*—"At Angmagsalik there was no 'Storis' and very few icebergs."
**Iceland.*—"The coasts were ice-free; there was some ice further north."
North Atlantic and Labrador.—"There were only a few icebergs on the *Newfoundland Banks*, but many in north of *St Lawrence Bay* and *Belle Isle Strait*."
**Davis Strait.*—"The autumn was very warm, and there was no ice."
**Behring Sea* was ice-free.

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. NOVEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1005·9	1006·8	..	..	..	..	..	..	..	256·0	..	..	13	..
124																		
125	Upernivik	72 47	W56 7	18·9	1003·9	1006·3	−2·2	267·4	277·7	4th, 5th	262·4	253·2	21st	264·5	+1·3	..	13	−10
126																		
139	Spitsbergen	78 2	E 14 14	11·4	999·7	1001·2	−6·5	..	275·7	7th	256·1	242·9	20th	260·0	..	..	14	..
140																		
141	Gjesvaer	71 6	25 22	6·5	997·9	998·8	−6·0	..	278·0	8th	269·1	265·0	1st	..	+0·7	*272·1*	16	−55
142	Mehavn	71 1	27 47	6·4	998·4	999·3	..	..	275·2	17th	268·2	262·0	22nd	..	..	*271·2*	39	−42
143	Vardö	70 22	31 8	10·0	999·9	1001·2	−4·8	..	275·2	12th	268·7	263·2	22nd	..	+0·6	*271·3*	35	−25
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. NOVEMBER—ZONE 2.

203	Nome	64 30	165 24	6·7	994 7	995·6	..	269·1	276·3	..	263·6	255·2	..	266·3	..	..	11	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	261·9	269·7	..	254·6	245·2	..	258·3	..	..	2	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	273·6	277·4	..	266·8	258·6	..	270·2	..	..	63	..
208	Eagle	64 46	141 12	248	970·2	1002·1	..	264·6	275·2	..	255·9	233·0	..	260·2	..	..	6	..
209	Dawson	64 4	139 20	321	965·1	1007·1	−7·9	259·6	275·2	16th	252·5	228·6	30th	256·0	+1·2	..	28	− 2
210	Carcross	60 11	134 34	662	..	..	..	271·3	278·0	1st	264·6	249·1	30th	267·9	..	..	17	..
211																		
212	Fort Simpson	61 52	120 43	129	994·3	1011·3	..	263·6	274·8	24th	257·1	233·4	30th	260·4	..	*260·5*	20	..
213	Hay River	60 51	115 20	161	988·8	1009·5	..	267·9	275·2	18th, 24th	259·8	238·6	30th	263·9	..	..	17	..
214	Fort Resolution	61 0	113 0	240	..	..	..	266·9	276·9	..	262·3	250·8	..	264·6	..	..	23	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1003·9	1005·5	−1·2	268·0	281·9	4th	262·4	255·9	21st, 26th	265·2	+1·3	..	13	− 4
229	Godthaab	64 11	51 44	9	999·5	1000·7	−3·0	271·8	278·2	3rd	267·1	260·0	21st	269·2	+0·8	..	34	−17
230	Angmagsalik	65 37	37 34	31·7	1000·4	1004·4	..	269·2	277·9	4th	264·1	253·9	25th	266·7	..	..	98	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1002·2	1003·6	+0·2	275·8	282·7	15th	271·1	260·5	29th	273·5	+0·1	..	99	+41
233	Vestmanno	63 26	20 15	7·7	1003·1	1004·1	+4·6	277·5	283·2	6th	271·9	261·6	28th	274·7	−1·0	..	206	+85
234	Grimsey (Akureyri)	66 33	17 58	6·8	1003·0	1003·9	−1·2	274·9	283·1	6th	269·4	261·8	27th	272·2	−0·5	..	14	−30
235	Berufjord	64 40	14 19	18	1000·0	1002·3	−1·7	275·9	285·2	15th	269·9	261·4	28th, 29th	272·9	−0·7	..	84	−33
236	Thorshavn	62 3	6 45	25·7	1001·2	1004·3	−1·5	278·6	283·7	22nd	274·3	265·2	28th	276·5	−1·1	..	153	−22
237	Lerwick	60 9	W 1 8	18·0	1002·6	1004·8	−2·7	279·9	283·0	5, 6, 22,	275·9	268·6	29th	277·9	−0·8	..	136	..
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	998·8	1004·3	−4·8	..	281·8	26th	275·0	269·1	30th	..	+0·2	*276·8*	306	+100
239	Christiansund	63 7	7 45	17·8	999·9	1002·1	−5·2	..	283·3	22nd	275·2	270·6	1st	..	+0·9	*277·3*	141	+ 30
240	Trondhjem	63 26	10 25	39·5	998·2	1003·1	−5·4	..	279·5	22nd	271·4	262·7	6th	..	+0·4	*273·8*	69	− 39
241	Bodö	67 17	14 24	20·5	998·3	1000·8	−5·4	..	280·6	22nd	271·6	267·0	..	..	+0·6	*274·2*	90	− 36
242	Haparanda	65 50	24 9	9·2	1002·3	1003·5	−6·6	271·7	276·0	23rd	265·0	253·5	20th	268·4	+0·4	..	82	+ 35
243	Helsingfors	60 10	24 57	11·7	..	1006·6	−6·2	..	278	..	..	264	..	273·6	+0·4	*273·5*	101	+ 40
2420	Kuopio	62 54	27 40	99·7	..	1006·4	..	..	277	..	..	259	..	271·1	+1·0	*271·0*	25	..
244	Kola	68 53	33 1	6·7	1003·1	1004·0	−4·6	270·6	276·6	28th	263·4	244·1	22nd	267·0	+0·8	..	28	+ 13
245	Petrozavodsk	61 47	34 23	38·9	..	1010·7	−2·9	..	276	..	..	256	..	271·6	+1·8	*271·5*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1011·1	−0·1	..	277	..	..	254	..	268·8	+1·6	*268·7*	34	+ 7
247	Velsk	61 5	42 7	? 87	1004·3	1015·5	..	..	276·2	2nd	266·7	252·1	23rd	269·4	..	*269·3*	21	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1013·6	+3·7	..	276	..	..	252	..	268·3	+5·5	*268·2*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	1002·6	1018·6	..	..	276·5	4th	262·3	248·6	24th	266·2	..	*266·1*	29	..
249																		
250	Berezov	63 56	65 4	39·7	1014·8	1020·1	+5·8	..	272·6	4th	255·8	243·7	1st	259·9	+2·2	*259·8*	15	− 1
251	Obdorsk	66 31	66 35	23·7	1014·8	1018·0	+6·6	..	272·0	29th	254·4	245·8	23rd	258·5	+1·1	*258·4*	12	..
252	Sourgout	61 15	73 24	? 40	1017·0	1022·3	+6·3	..	272·3	28th	255·3	239·5	2nd	259·6	−0·4	*259·4*	18	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1017·6	1020·3	..	..	271·8	29th	250·6	237·5	3rd	254·3	..	*254·3*	9	..
261																		
262	Olekminsk	60 22	120 26	? 202	1003·0	1030·7	−2·0	..	270·0	20th	246·8	230·9	26th	251·6	+0·8	*251·5*	25	..
263	Iakoutsk	62 1	129 43	? 108	1005·2	1020·5	−3·9	..	258·4	9th	..	..	..	244·1	+0·3	*244·0*	12	+ 3
264	Verkhoïansk	67 33	133 24	? 100	1002·8	1017·4	+0·7	..	258·0	9th	232·1	218·4	30th	236·3	+0·8	*236·3*	10	+ 4
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	255·5	21st	237·5	225·8	28th, 30th	242·5	..	*242·4*	14	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301																		
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	276·9	280·8	..	272·2	268·6	..	274·6	..	..	210	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	999·3	1002·6	−1·4	280·6	284·7	..	274·2	269·7	..	277·4	+4·4	..	252	+ 3
310	Prince Rupert	54 18	130 18	52	..	1007·2	..	280·4	284·7	1st, 27th	275·7	269·7	10th	278·1	..	..	343	..
311	Barkerville	53 2	121 35	1274	..	1012·9	..	273·3	279·7	16th	266·8	259·7	26th	270·1	−0·6	*270·1	60	− 21
312	Kamloops	50 41	120 29	379	..	1014·7	−1·9	279·2	284·4	13th	273·2	266·4	26th	276·2	+1·5	*276·1	21	− 8
313	Calgary	51 2	114 2	1033	..	1013·0	−4·3	279·0	287·4	17th	267·2	261·3	30th	273·1	+3·7	*273·1	17	..
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	245·8	30th	..	..	..	..	..
315	Prince Albert	53 10	106 0	436	..	1011·9	−3·0	273·8	285·9	3rd	265·2	260·2	27th	269·5	+4·1	*269·1	23	− 13
316	Qu'Appelle	50 30	103 47	645	..	1013·3	−3·3	277·6	288·6	9th	266·8	259·1	27th	272·2	+5·3	*271·5	12	− 19
317	Minnedosa	50 15	99 50	518	..	1014·4	..	275·4	284·4	3rd	266·6	257·3	27th	271·0	+4·1	*270·4	7	..
318	Berens River	52 18	97 23	216	..	..	..	272·3	279·7	19th	266·1	256·9	28th	269·2	..	*268·6	10	..
318*a*	York Factory	57 0	92 28	11	1011·6	1013·0	−2·6	..	273·6	15th	258·2	241·3	28th	263·0	−0·2	..	30	+ 15
319	Fort Hope	51 32	87 48	..	981·3	..	..	271·1	277·4	19th	263·2	247·4	28th	267·1	..	..	38	..
320	Moose Factory	51 16	80 56	9	1013·0	1014·2	..	272·1	280·2	4th	264·7	255·2	15th	268·4	..	..	32	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1004·6	1006·5	−2·0	269·1	277·5	..	265·2	259·3	..	267·2	+0·6	..	..	..
324	Nain	56 33	61 41	4·2	1008·0	1008·5	−0·6	269·1	275·9	..	264·3	255·4	..	266·7	+0·9	..	..	..
325	Davis Inlet	55 50	60 50	..	999·9	..	..	268·6	276·3	6th	263·2	253·0	30th	265·9	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	280·2	6th	..	265·2	14th	272·6	−0·6	..	9	− 108
327	Belle Isle	51 55	55 20	133	991·8	1008·6	..	272·9	278·6	9th	268·2	259·7	29th, 30th	270·6	..	..	69	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1017·0	1018·7	+5·9	283·6	286·3	6th	280·2	272·4	30th	281·9	+0·3	282·1	78	− 66
335	Aberdeen	57 10	2 6	27·4	1005·9	1009·3	−1·1	280·7	285·8	6th	275·8	265·8	29th	278·2	−0·3	278·3	79	− 17
336	Greenwich	51 28	W 0 0	48·5	1010·2	1016·0	+1·8	282·1	286·9	7th	277·1	271·3	4th	279·6	+0·2	279·7	39	..
337	Uccle	50 48	E 4 22	100	1003·3	1015·3	+0·4	280·5	282·8	9th	275·7	271·3	7th	278·1	−0·9	*278·0	104	+ 31
338	De Bilt	52 6	5 11	3·0	1013·4	1013·8	+0·9	281·3	284·8	9th	275·8	271·7	4th	278·6	+1	278·5	83	+ 66
338*a*	Hamburg	53 33	9 59	26·0	1008·4	1011·6	−3·6	279·5	282·2	9th	276·0	271·5	29th	277·8	+1·0	277·6	117	+ 54
339	Copenhagen	55 41	12 36	5·0	1008·6	1009·2	−4·0	278·6	282·4	1st	274·8	271·4	6th	276·7	+0·4	..	66	+ 18
340	Potsdam	52 23	13 4	84·9	1002·7	1013·0	−1·7	278·5	281·4	1st	273·3	268·5	7th	275·9	−0·2	275·6	59	+ 12
340*a*	Upsala	59 51	17 38	24·0	1002·8	1005·8	−6·1	275·1	280·7	25th	271·0	262·0	5th	273·1	+0·3	273·2	51	+ 23
341	Warsaw	52 15	21 1	120	999·6	1014·6	−2·4	..	280·3	1st	272·9	270·4	7th	274·6	+0·1	*274·5	59	+ 4
342	Jurjev	58 23	26 43	74·5	1000·7	1010·1	−4·3	273·8	279·4	1st	270·3	263·0	7th	272·1	+1·6	272·4	49	..
343	Petrograd	59 56	30 16	4·8	..	1010·0	−3·9	..	276	..	..	266	..	272·6	+1·1	272·6	37	+ 20
344	Kiev	50 27	30 30	182·9	..	1018·7	−0·7	..	283	..	..	269	..	273·6	−0·6	273·5	17	..
344*a*	Moscow	55 45	37 34	156	..	1017·6	−0·8	..	278	..	..	263	..	271·4	+0·7	271·3	34	+ 12
345	Saratov	51 32	46 3	59·9	..	1021·9	+0·6	..	278	..	..	266	..	272·4	+0·9	272·3	48	+ 22
346	Kazan	55 47	49 8	79·8	1010·6	1020·8	+0·6	..	275·8	3rd	..	261·3	12th	270·8	+1·7	270·8	45	+ 9
347	Orenburg	51 45	55 6	114·1	..	1024·6	+0·3	..	277	..	..	265	..	271·3	+2·6	271·2	30	+ 10
348	Perm	58 1	56 15	163·0	..	1019·9	..	..	279	..	..	258	..	269·2	+2·3	269·1	51	+ 30
349	Ekaterinburg	56 50	60 38	288·9	..	1022·3	+1·6	..	274	..	..	259	..	266·5	+0·7	266·3	36	+ 12
350	Tobolsk	58 12	68 14	108·3	1009·5	1023·9	..	..	273·2	28th	258·5	249·9	2nd	262·1	−1·0	261·9	15	+ 3
351	Akmolinsk	51 12	71 23	? 347	984·4	1028·7	−1·1	..	275·6	5th	265·1	258·3	30th	268·3	+2·8	268·2	14	+ 10
352	Omsk	54 58	73 23	87·9	1015·0	1026·7	+2·8	..	274·8	18th	257·7	244·3	2nd	262·6	+1·6	262·4	18	+ 10
353	Barnaoul	53 20	83 47	162·2	1010·3	1031·7	+3·1	..	276·0	18th	258·8	240·8	3rd	263·0	+1·2	262·8	39	+ 16
354	Tomsk	56 30	84 58	121·6	1012·6	1028·8	+3·8	..	273·6	12th	257·7	241·3	4th	262·3	+0·4	262·1	49	..
355	Minousinsk	53 43	91 41	? 255	1000·0	1034·0	..	..	274·5	18th	253·7	238·4	6th	259·0	..	258·8	3	− 7
356	Eniseisk	58 27	92 11	84·4	1017·2	1028·6	+4·0	..	273·8	19th	253·5	237·8	5th	257·9	−1·9	257·7	38	+ 17
357	Irkutsk	52 16	104 19	467·0	971·5	1032·7	+3·6	..	273·9	1st	253·7	240·5	13th	259·3	−3·3	259·1	24	..
358	Kirensk	57 47	108 7	? 263	995·0	1030·6	..	..	272·4	20th	248·3	234·0	6th	253·7	..	253·5	25	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	267·2	21st	246·9	233·6	5th	252·6	..	252·4	27	..
360*a*	Nertchinsk	51 59	116 35	484·3	962·4	1026·8	..	..	268·8	9th	247·3	238·3	7th	253·3	−5·6	253·1	5	..
361	Tygan Ourkan	54 5	124 46	? 370	973·4	1020·0	..	..	265·1	17th	248·5	238·0	26th, 30th	255·0	..	254·8	7	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	268·4	23rd	244·5	233·2	20th	252·4	..	252·3	7	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·3	1011·1	−3·3	260·7	270·7	..	252·1	242·4	..	257·4	−5·9	257·4	20	− 15
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	987·6	998·6	−5·4	270·4	276·8	..	266·3	262·9	..	268·4	−3·2	..	87	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. NOVEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: 24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1015·2	+0·3	282·6	286·0	16th	278·1	272·1	28th	280·3	−0·3	280·4	128	− 26
412	Portland, Oregon	45 32	122 41	46·6	1012·6	1017·9	−1·4	284·3	289·1	12th	278·4	272·4	28th	281·4	+0·8	*281·1	147	− 18
413	Macleod	49 44	113 24	954	..	..	..	279·8	287·2	24th	271·1	261·9	11th	275·4	+4·3	*275·3	18	− 1
414	Helena	46 34	112 4	1253	874·3	1018·6	−0·7	281·9	288·6	13th	272·6	264·7	27th	277·2	+3·8	*277·0	12	− 5
414*a*	Salt Lake City	40 46	111 54	1331	872·2	1022·3	+2·4	283·6	294·1	9th	274·3	269·7	27th	278·9	+1·3	*278·7	43	+ 8
415	Cheyenne	41 8	104 48	1856	814·6	1020·3	+2·0	282·8	291·3	9th	270·3	258·0	27th	276·6	+1·9	*276·3	15	+ 5
416	North Platte	41 8	100 45	860	919·5	1021·0	+2·4	286·9	298·0	10th	269·4	263·0	27th	278·2	+3·5	*277·7	0	− 10
416*a*	Bismarck	46 47	100 38	510·2	956·0	1018·3	0·0	279·6	288·0	19th	268·5	260·8	24th	274·1	+4·4	*273·8	0	− 18
417	Winnipeg	49 53	97 7	231·6	..	1014·9	−2·4	274·1	282·6	18th	268·4	262·9	2nd	271·2	+4·3	*269·9	3	− 25
418	Duluth	46 47	92 6	345·3	973·3	1015·9	−1·4	277·2	287·4	10th	268·8	258·6	27th	273·0	+1·5	*273·0	5	− 36
419	Port Arthur	48 27	89 12	196·3	..	1015·2	−2·1	275·9	281·9	4th, 10th	268·3	256·9	28th	272·1	+1·9	*272·0	11	− 21
420	Chicago	41 53	87 37	250·9	987·0	1017·6	−0·7	282·7	294·1	11th	275·3	269·1	28th	279·0	+2·0	*279·0	37	− 25
421	Toronto	43 40	79 24	106·7	..	1015·1	−1·5	281·3	288·1	5th	274·2	267·9	28th	277·7	+1·7	276·9	63	− 2
422	New York	43 40	79 24	106·7	1005·1	1016·6	−2·4	284·8	294·7	12th	277·4	270·2	29th	281·1	+1·4	281·8	56	− 30
423	St. John, N.B.	45 17	66 4	21·3	..	1014·2	+0·3	279·1	287·2	8th	273·1	267·3	29th	276·1	+0·4	276·2	100	− 20
424	S. W. Point, Anticosti	49 24	63 35	9	1010·6	1011·8	..	274·1	281·3	8th	269·4	260·8	29th	271·8	..	..	47	..
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1010·7	−1·5	281·2	291·3	9th	274·2	267·4	30th	277·7	+1·6	..	195	+ 42
435	Madrid	40 24	3 41	655·4	944·4	1022·3	+3·6	288·2	294·2	3rd, 11th	274·3	267·6	14th	281·3	−0·5	280·8	11	− 38
436	Nantes	47 15	W 1 34	41·4	..	1020·3	+3·6	283·6	287·1	9th	277·1	271·8	4th	280·4	−1·0	280·3	68	− 12
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1018·4	+2·1	281·8	284·8	10th	275·2	270·5	8th	278·5	−2·0	277·1	48	+ 3
438	Marseilles	43 18	5 23	75·0	..	1016·3	+1·5	284·7	289·3	9th	275·8	271·0	25th	280·3	−3·2	279·7	55	− 30
438*a*	Zürich	47 23	8 33	493·2	959·7	1016·9	−3·9	..	284·0	27th	..	268·6	15th	275·0	−1·6	..	50	− 21
439	Rome	41 54	12 29	63·4	..	1013·8	−0·1	286·8	291	1, 2, 15	279·5	274	27th	283·2	−1·5	..	66	− 50
440	Vienna	48 15	16 22	202·5	991·9	1017·1	−1·0	277·3	282·7	1st	273·1	269·6	30th	275·2	−1·4	275·1	33	− 9
440*a*	Buda-Pesth	47 30	19 2	129·6	1001·7	1018·1	0·0	278·4	286·0	1st	272·7	269·7	11th	275·6	−1·7	..	59	+ 6
441	Bucharest	45 25	26 6	82	1007·6	1017·8	−3·1	..	289·4	16th	..	269·4	6th	278·0	+0·6	..	160	+ 113
442																		
443	Odessa (University)	46 29	30 46	65·3	1011·6	1019·9	+0·1	279·5	287·5	16th	275·3	270·3	26th	277·4	−1·2	277·4	25	− 13
444	Kharkov (University)	50 0	36 14	140	..	1021·6	+2·0	..	283	..	..	261	..	272·8	−1·0	272·7	44	+ 4
444*a*	Novorossiisk	44 40	37 49	37	..	1019·1	..	..	293	..	..	273	..	282·0	+0·7	281·9	91	+ 31
445	Tiflis	41 43	44 48	409	..	1022·0	−0·3	..	291	..	..	274	..	281·8	+1·1	281·7	23	− 7
446	Astrakhan	46 21	48 2	−14	..	1023·1	0·0	..	287	..	..	269	..	276·6	+0·3	276·5	20	+ 10
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1021·6	..	..	294	..	..	274	..	284·2	+0·4	284·2	..	..
449	Tachkent	41 20	69 18	478·3	967·2	1025·2	−1·5	286·6	301·0	5th	272·5	264·4	16th	279·6	0·0	278·9	29	+ 4
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	797·9	..	..	..	..	285·2	2nd	265·0	254·0	30th	270·2	+1·0	270·2	3
452	Vernyi	43 16	76 53	? 835	927·2	1028·5	+0·5	279·8	288·2	5th, 6th	..	..	..	273·5	+1·1	273·4	28	− 16
461	Mukden	41 48	123 23	43·8	1020·3	1026·1	+2·0	274·9	290·8	3rd	263·6	256·4	15th, 29th	269·3	−1·8	269·0	10	− 4
462	Joshin	40 40	129 11	4·0	1020·0	1020·5	+1·1	279·4	292·7	4th	268·2	256·4	15th	273·8	−2·3	273·0	61	+ 28
463	Vladivostok	43 7	131 54	26·8	1018·0	1021·4	−0·2	273·2	284·0	..	265·1	259·1	..	269·2	−2·3	268·9	6	..
464																		
465	Ochiai	47 20	142 44	15·0	1010·0	1011·8	..	271·2	281·2	5th	261·3	251·8	29th	266·3	..	266·7	66	..
466	Nemuro	43 20	145 35	26·7	1010·3	1013·7	−0·5	278·4	291·2	5th	270·5	265·4	30th	274·5	−2·6	274·5	17	− 66
		N.	E.															

Between Latitude 40° N. and 30° N. NOVEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: 24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1014·5	1020·3	+1·4	289·9	293·0	24th	283·4	280·8	29th	286·7	+0·6	286·2	49	− 13
512	San Luis Obispo	35 18	120 39	61·3	1012·4	1020·0	+2·0	295·3	301·9	24th	280·1	274·1	26th	287·7	+1·2	287·3	20	− 23
513	Modena	37 48	113 54	1670	837·5	1022·0	+3·4	284·3	290·8	8th	268·6	264·1	22nd	276·4	−0·5	276·1	7	− 8
514	San Diego	32 43	117 10	26·5	1014·3	1017·3	+0·7	294·3	303·0	16th	284·2	280·2	9th	289·2	+1·3	288·9	10	− 10
515	Santa Fé	35 41	105 57	2138	790·3	1022·3	+5·4	283·6	290·8	8th	270·5	259·7	27th	277·0	+0·6	276·6	1	− 20
516	Denver	39 45	105 0	1613	839·8	1020·6	+2·7	286·1	296·3	9th	271·8	259·1	27th	278·9	+1·9	278·6	29	+ 15
517	Abilene	32 23	99 40	529·7	960·2	1022·3	+4·1	292·2	300·8	7th	278·1	270·8	2nd	285·2	+0·7	284·9	8	− 23
518	Saint Louis	38 38	90 12	172·8	999·5	1020·3	+1·0	286·0	297·4	10th	277·1	269·7	24th	281·6	+2·2	281·4	45	− 28
519	Mobile	30 41	88 2	17·4	1020·6	1022·7	+3·0	292·4	297·4	21st	281·2	273·6	28th	286·8	−0·3	286·5	99	+ 5
520	Nashville	36 10	86 47	166·4	1003·5	1023·7	+3·7	287·4	296·9	10th	275·6	267·4	28th	281·4	−0·8	281·3	17	− 81
521	Charleston	32 47	79 56	14·6	1019·7	1021·3	+1·4	291·5	300·2	1st	281·7	274·1	29th	286·6	−0·9	286·4	33	− 41
522	Washington	38 54	77 3	34·1	1014·5	1018·6	−1·4	286·8	298·0	12th	275·7	269·1	29th	281·3	+1·1	281·3	39	− 31
523	Bermuda	32 17	64 46	46·0	..	1019·9	+1·4	295·6	298·7	1st, 2nd	290·0	284·9	19th	292·8	−0·3	..	82	− 27
524																		
531	Horta	38 32	28 38	30	..	1022·6	+3·4	292·8	295	sev. dates	289·9	286	26th	291·4	+1·3	..	89	− 34
532	Ponta Delgada	37 44	25 40	17	..	1023·0	+4·4	292·4	295	1st	288·9	286	25th	290·6	+0·8	..	38	− 69
533	Madeira (Funchal)	32 37	16 54	25	1018·9	1021·9	..	294·4	299·0	7th, 8th	285·5	283	24th, 26th	290·0	..	..	0	−130
534	Lisbon	38 43	9 9	95·4	1010·6	1022·2	+4·5	289·8	294·3	2nd, 6th	283·5	278·8	15th	286·7	−0·1	286·5	18	− 97
535	Casablanca	33 37	7 35	17	1018·9	1021·3	..	..	..	..	..	280·3	..	288·3	−0·4	..	19	− 57
536	Gibraltar	36 6	5 21	16	1019·1	1021·1	+4·8	292·4	298·0	1st, 3rd	284·7	278·6	16th	288·6	−0·5	..	13	−139
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1019·5	+3·6	290·6	295·9	3rd	284·7	281·0	18th	287·7	−2·7	..	89	− 27
538	Palma	39 33	2 42	..	..	1019·0	+3·6	289·2	295	3rd	282·4	279	17th, 25th	285·8	..	..	39	..
538a	Tunis	36 48	10 10	43	..	1019·9	+3·4	288·8	294·9	12th	280·7	276·2	17th	284·8	−3·2	..	49	− 5
539	Malta	35 54	14 31	59	..	1016·3	−2·0	290·7	296	15th	286·4	283	24th	288·6	−1·8	..	87	− 4
540	Catania	37 30	15 3	64·9	..	1014·0	−2·8	289·9	296·1	1st	282·3	278·4	9th	286·1	−2·2	..	51	− 61
541	Athens	37 58	23 43	107·1	..	1015·6	−1·7	290·1	293	sev. dates	284·6	277	6th	287·4	+0·1	*287·0*	181	+ 104
542	Alexandria	31 9	29 54	32·0	..	1019·2	+1·3	296·6	301	21st	288·4	285	29th	292·5	−0·6	*292·0*	10	− 25
543	Cairo (Helwan)	29 52	31 20	115·6	..	1019·0	+0·4	298·2	303	9th	286·5	281	26th	292·4	+0·4	292·2	0	− 2
544	Nicosia	35 12	33 24	22·1	..	1018·3	+1·2	295·3	299	17th	278·8	277	30th	287·0	−1·4	..	30	− 25
544a	Beirut	33 54	35 28	52·4	..	1018·3	+1·6	294·6	297	22nd	288·8	285	30th	291·7	−0·5	..	180	+ 42
545	Baghdad	33 21	44 28	38·7	1015·1	1019·8	+1·2	298·8	303·3	7th	282·4	278·3	26th	290·6	+0·9	..	1	+ 19
546	Lenkoran	38 46	48 52	−19	1023·5	1021·1	−1·2	..	295·3	4th	281·2	274·7	20th	284·4	+1·7	*284·3*	91	+ 90
547	Busrah	30 31	47 53	7·6	1017·2	1018·3	..	298·7	306·3	7th	287·2	281·4	27th	293·0	+0·7	..	3	+ 28
548	Meshed	36 16	59 35	946	911·2	1022·7	..	298·2	298·8	3rd	273·6	268·9	21st	281·4	0·0	..	28	+ 13
549	Quetta	30 11	67 3	1677	836·7	..	−0·7	290·2	296·7	1st	270·4	265·6	24, 27, 28	280·3	−1·8	*280·0*	1	− 7
550																		
551	Lahore	31 34	74 20	214	991·9	1017·6	+0·4	300·5	305·7	1st	282·4	276·7	29th	291·4	0·0	*290·3*	5	+ 28
551a	Simla	31 7	77 8	2204·3	783·4	..	−0·2	285·4	289·2	22nd	278·8	273·6	25th	282·1	−1·2	*281·8*	40	+ 1
552	Leh	34 10	77 42	3506	667·2	..	−1·4	281·2	286·3	1st	265·8	259·1	28th, 30th	273·5	−0·6	*272·4*	0	+ 24
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	31	
559	Hang Kow	30 35	114 17	37·0	1021·1	1025·6	+0·1	287·3	298·1	4th	279·3	269·8	10th	283·3	−2·1	..	154	− 102
560	Tiensin	39 10	117 10	5·0	1026·6	1027·2	+1·3	278·9	288·0	2nd	272·4	266·0	8th	275·7	−1·8	..	3	− 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1025·1	+1·3	288·6	299·2	4th	278·1	270·3	10th	283·4	−1·3	282·3	53	+ 7
562	Chemulpo	37 29	126 32	67·6	1016·4	1023·0	+0·4	279·6	289·9	4th	271·6	265·0	15th	275·6	−4·9	275·5	18	+ 23
562a	Nagasaki	32 44	129 52	133·0	1005·5	1021·7	+1·0	287·4	295·3	5th	280·3	274·8	21st	283·9	−2·2	283·6	70	+ 18
563	Kioto	35 1	135 46	49·4	1014·4	1020·5	+0·7	288·8	297·8	5th	276·2	270·5	17th	282·5	−0·5	281·8	36	+ 46
564	Tokio	35 41	138 45	21·3	1015·4	1018·0	+0·6	286·9	293·4	5th	278·4	269·9	30th	282·6	−0·9	282·4	106	+ 1
565	Miyako	39 38	141 59	30·4	1013·4	1017·1	−0·1	285·3	296·3	5th	273·8	266·9	30th	279·6	−1·6	278·6	19	− 62
566		N.	E.															

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·3	1017·6	+3·0	299·3	300·8	..	294·1	291·9	..	296·7	+0·1	..	64	− 68
606																		
615	Zacatecas	22 47	102 35	2610	748·2	..	..	286·4	289·6	25th	278·6	275·0	19th	282·5	..	..	60	..
616	Leon	21 7	101 41	1798·6	825·9	..	+0·7	294·6	297·9	1st	279·9	276·0	10th	287·7	−1·3	..	2	− 91
617	Galveston	29 18	94 50	16·5	1020·7	1022·7	+3·7	292·7	298·6	12th	287·0	279·1	28th	289·8	−0·3	*289·9*	10	− 35
618	New Orleans	29 58	90 4	15·5	1020·7	1022·7	+3·4	292·5	300·2	12th	283·9	275·8	28th	288·2	−0·7	*287·8*	64	
619	Havana	23 8	82 22	24·3	..	1016·7	+0·1	299·1	303·3	6th	294·5	290·6	28th	296·8	+0·1	296·9	35	− 40
620	Key West	24 33	81 48	6·7	1016·6	1017·3	+0·7	297·9	301·9	1st	293·3	287·4	28th	295·6	−0·9	*295·5*	30	− 33
621	Nassau, Bahamas	25 5	77 21	7·6	..	1016·9	+0·1	299·4	303·0	1st	295·5	294·1	29th	297·4	+0·3	..	24	− 65
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	294·7	302·8	..	287·9	285·4	..	291·3	..	..	33	− 37
634	Las Palmas, Canary Islands	28 1	W15 26	9	1020·3	1021·4	+1·5	297·9	302·6	3rd	290·3	287·8	22nd	294·1	+0·7	..	15	
637	Insalah	27 17	E 2 27	330	..	..	..	..	..	..	..	..	..	..	..	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1020·6	+0·1	302·3	307	18th	282·6	275	3rd	292·4	−1·2	*292·6*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1016·4	0·0	304·0	311	10th	?289·2	283	3rd	?296·6	+1·5	*296·8*	..	..
643	Suez	29 57	32 32	3·4	..	1019·2	+1·6	299·5	305	9th	285·0	281	30th	292·2	0·0	..	0	..
644	Aswan	24 2	32 53	99·6	..	1016·7	+0·8	304·3	310	10th	287·1	283	29th, 30th	295·7	−0·1	*296·1*	..	..
647	Bushire	28 59	50 53	4	1016·4	1016·9	−0·6	299·2	302·9	1st, 8th	289·6	285·2	25th	294·4	+0·2	..	0	− 45
648	Jask	25 44	57 47	4	1016·4	1016·9	−0·3	301·3	303·7	1st	292·6	289·3	26th	296·9	−0·5	..	2	− 7
649	Kurrachee	24 53	66 57	4	1015·7	1016·1	0·0	302·3	304·7	9th	291·9	286·9	28th	297·1	+0·3	*296·8*	0	− 1
650	Hyderabad, Sind	25 24	68 18	29	1012·5	1015·9	0·0	303·3	309·9	3rd	288·1	280·2	30th	295·7	−0·6	..	0	− 2
651	Jaipur	26 56	75 52	436	966·7	1017·0	−0·3	301·3	306·4	3rd	285·5	277·8	30th	293·4	−1·0	*292·5*	1	− 4
652	Nagpur	21 8	79 5	310	980·2	1015·9	+0·2	302·4	305·6	19th	288·3	279·8	30th	295·4	−0·2	*295·1*	13	+ 35
653	Allahabad	25 25	81 51	91	1005·4	1016·3	+0·2	300·8	304·7	4th	286·1	280·5	29th, 30th	293·5	−0·2	*292·6*	41	+ 31
654	Calcutta	22 36	88 23	6	1013·9	1014·5	−0·4	300·6	303·6	11th, 13th	290·8	286·6	29th	295·7	−0·1	*295·4*	85	+ 15
655	Gauhati	26 8	91 41	59	1009·5	1016·4	..	299·6	302·3	12th	289·4	286·9	21, 28, 29	294·5	..	..	23	+ 147
655a	Cherrapunji	25 15	91 42	1313	871·1	..	..	293·1	297·3	11th	285·6	281·9	30th	289·4	..	..	213	+ 102
656	Shillong	25 33	91 48	1500	852·4	..	..	292·2	295·4	12th	281·4	277·8	28th, 29th	286·8	..	..	139	+ 73
656a	Akyab	20 11	92 56	6	1012·5	1013·2	−0·4	302·1	305·2	10th	294·9	290·8	21st	298·5	−0·2	*298·1*	174	+ 68
657	Phu Lien	20 48	106 37	115·6	1003·7	1017·4	−0·3	297·8	303·7	3rd	290·6	283·2	10th	294·2	−0·6	293·6	77	+ 68
658	Moncay	21 31	107 51	10	1016·5	1017·7	−0·2	297·4	302·4	5th	288·9	281·1	22nd	293·2	−0·8	..	123	+ 37
659																		
660	Hong Kong	22 18	114 10	33·2	..	1017·5	−0·1	296·7	302·1	4th	291·3	286·4	23rd	294·0	+0·1	293·7	7	− 57
661	Taihoku, Formosa	25 2	121 31	9·3	1018·1	1019·2	+0·4	295·9	304·0	4th	289·1	282·1	23rd	292·5	−0·5	292·2	54	− 19
662	Naha	26 13	127 41	10·5	1017·1	1018·4	+0·9	296·7	302·6	4th	291·0	287·6	15th	293·8	−0·2	293·7	68	− 65
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

NOVEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	847·9	..	..	296·8	299·0	7th, 26th	284·2	282·0	18, 20, 21	290·5	..	..	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1008·1	1014·7	* ..	..	303·2	7, 13, 22	..	293·2	20th	298·2	..	..	0	..
718	Mexico	19 26	99 8	2280	781·6	..	+0·9	291·4	294·4	6th	279·1	276·0	9th	285·3	−1·8	285·3	0	− 10
718d	Oaxaca	17 4	96 44	1563	848·6	..	..	298·6	303·4	6th	282·4	280·2	28th	290·5	..	..	1	..
719	Belize	13 44	89 9	657	939·3	1013·2	+2·2	301·9	304·0	22nd	289·9	285·2	19th	295·9	0·0	..	5	− 43
720	San Salvador	19 29	88 12	1·9	1017·1	1017·3	+2·8	300·8	305·8	6th	294·3	291·3	4th	297·6	..	..	237	− 21
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1009·9	−2·0	302·3	304·4	29th	295·9	294·6	27th	299·1	0·0	*298·5*	719	+ 637
722	Port au Prince	18 34	72 22	37·4	1008·0	1012·3	+1·8	304·5	305·9	5th	295·7	293·4	6th	300·1	..	299·2	29	− 33
723	St. Croix (Christiansted)	17 45	64 42	6·6	1010·2	1010·9	..	302·0	304·9	..	297·3	295·6	..	299·7	..	..	229	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	993·1	1010·9	−0·1	302·4	305·2	2nd	296·8	295·2	12th, 18th	299·6	+0·3	..	155	− 47
725	Barbados	13 8	59 36	55·2	..	1009·9	..	301·7	304·1	1st	297·4	293·2	29th	299·6	+0·2	*299·4*	130	− 42
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·3	1014·5	+1·1	299·4	301·0	6, 8, 11	295·8	292·5	8th	297·6	−0·3	..	0	− 9
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·0	1015·9	..	301·3	304·8	3rd	296·5	294·8	26th	298·9	..	..	0	..
733	Bathurst	13 24	16 36	5	1011·4	1012·0	−0·6	303·9	309·1	18th	296·3	293·6	25th	300·1	+0·8	..	0	− 6
734	M'Carthy Island	13 24	14 46	3·5	..	..	..	309·7	312·4	2nd	291·8	285·8	23rd	300·7	..	..	13	..
735	Ségou	13 42	6 16	..	..	..	..	..	..	..	290·9	286·0	22nd	..	..	..	0	..
736	Timbouctoo	13 34	6 17	? 272	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	16 43	W 2 52	250	..	1012·4	+1·3	308·8	315·0	..	287·5	281·6	..	298·2	−1·6	*297·7*	0	..
738	Kontagora	13 2	E 5 14	354	..	..	..	306·1	308·6	20th	292·3	289·1	29th, 30th	299·2	−0·1	..	0	0
739	Maiduguri	10 24	5 24	400	..	..	..	308·6	310·2	9th	288·9	284·7	30th	298·8	+0·5	..	0	− 8
740	Katagum	11 48	13 12	370	..	..	..	309·0	313·0	9th	289·6	285·2	29th	299·3	..	..	0	0
742	Kadugli	12 17	10 22	30·7	..	..	..	309·7	312·4	11, 12, 13	287·3	285·2	29th	298·5	..	..	0	0
743	El Obeid	13 11	30 14	585	..	..	..	310·4	312·0	sev. dates	286·4	283·5	23rd, 25th	298·4	..	..	0	..
744	Khartoum	15 37	32 33	390	..	1013·0	−0·5	307·6	309	11th	289·0	286	29th	298·3	+0·4	*298·9*	0	0
746	Aden	12 45	45 3	28·7	1012·5	1011·5	+0·3	308·4	311	18th	293·5	291	4th	301·0	+0·7	*301·1*	0	0
751	Bombay	18 54	72 49	11·3	1012·1	1015·9	+0·7	302·1	305·8	15th	296·1	292·9	24th	299·1	−0·4	*298·5*	0	− 4
752	Mysore	12 18	76 40	768	927·9	1013·3	−0·5	303·6	306·6	18th	296·3	293·8	24th, 30th	300·0	+0·3	*299·6*	92	+ 82
752a	Kodaikanal	10 13	77 28	2343	771·3	1012·9	−0·4	300·3	301·9	14th	290·6	286·3	11th	295·4	−0·5	*294·8*	58	+ 5
753	Madras	13 4	80 14	6·7	1012·1	..	−0·7	303·1	304·4	14th	282·5	279·7	7th	293·8	−0·4	..	287	+ 122
754	Waltair	17 45	83 16	68·9	1006·4	1012·7	−0·1	302·8	306·3	2nd, 3rd	295·4	292·7	10th, 11th	299·1	+0·2	298·6	554	+ 229
755	Port Blair	11 40	92 40	17·7	1009·6	1014·3	+0·3	301·4	303·3	14th	295·0	291·3	30th	298·2	..	*297·8*	63	− 18
756	Rangoon	16 46	95 48	5·5	1012·4	1011·7	0·0	303·2	304·8	10th	295·5	295·5	27th	300·3	−0·4	*299·9*	117	− 135
757	Saigon	10 46	106 42	11·2	..	1013·1	−0·2	303·6	305·8	10th	295·8	294·1	4 days	299·7	+0·1	*298·8*	116	+ 55
758	Nhatrang	12 16	109 12	3·7	..	1010·0	−0·3	303·7	305·8	16th	295·3	291·4	24th	299·5	0·0	..	45	− 60
759	Bolinao	16 24	119 53	9·7	..	1011·2	−0·7	301·8	304·4	1st	294·8	290·7	24th	298·3	−0·4	..	313	+ 40
760	Vigan	17 34	120 23	14·7	..	1009·1	..	304·3	306·4	17th	296·2	294·1	18th	300·3	..	299·8	27	− 22
761	Manila	14 35	120 59	14·2	..	1009·2	..	304·6	306·4	29th	295·4	291·7	22nd	300·0	..	299·8	0	− 20
762	Ormoc	11 0	124 36	5·6	..	1009·5	−0·6	304·0	305·9	3rd	295·3	293·7	27th	299·7	−0·2	298·7	165	+ 34
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1007·8	..	304·0	305·9	26th	295·6	293·3	21st	299·8	..	299·3	?370	+150
		N.	E.			1007·8	..	302·4	303·6	11th	297·8	296·0	8th, 17th	300·1	..	..	157	..

Between Latitude 10° N. and 0°.

NOVEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	307·2	308·6	1, 24, 25	298·4	297·7	12th	302·8	+0·6	*300·7*	57	− 10
819	Culebra	9 10	79 40	123·1	..	1010·6	+0·5	301·9	304·1	22nd	295·2	293·6	17th	298·6	−0·1	..	193	− 120
822	Caracas	10 31	66 56	?	896·6	..	..	297·7	299·9	..	288·8	286·4	..	293·3	..	..	81	..
823	El Peru, Guayanavieja	7 30	62 0	? 300	984·2	..	..	302·4	303·6	2nd, 5th	294·7	293·6	7th, 10th	298·6	..	..	132	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·3	1013·5	+2·3	303·6	304·7	4th, 11th	297·4	295·8	8th, 13th	300·5	+0·4	..	102	− 40
826	Paramaribo	5 49	55 9	4	1012·3	1012·7	..	304·1	306·0	6th	295·8	293·8	27th	300·0	..	*299·7*	169	..
826a	Cayenne	4 56	52 21	6	..	..	..	304·5	306·0	2nd	296·4	295·0	6th	300 5	+0·1	..	83	− 31
833	Conakry	9 31	13 43	16	1009·2	1011·0	0·0	303·5	304·7	..	297·3	295·4	..	300·4	+0·2	..	78	..
834	Sierra Leone	8 30	13 9	68·3	1003·6	1011·5	+0·7	305·1	306·3	22nd	295·9	293·1	2nd, 16th	300·6	+0·2	..	133	− 6
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	301·4	..	..	295·8	..	..	298·6	−1·2	..	52	+ 13
837	Lagos	6 22	E 3 28	7·6	1010·0	1010·9	+0·1	304·5	309·7	..	296·9	295·2	..	300·7	+0 4	..	29	− 27
838	Zungeru	9 48	6 10	130	..	1011·2	−0·3	308·4	309·7	24th	289·8	286·3	8th	299·1	−0·2	..	0	− 2
839	Libreville	0 23	9 26	35	..	..	..	303·4	305·4	11th	294·4	292·2	22nd	298·9	+0·2	..	357	+ 7
841	Yola	9 12	12 30	259	..	..	..	308·3	309·7	23rd	293·9	290·8	14th	301·1	+0·6	..	0	− 1
842	Kafia Kingi	9 22	24 18	596	946·5	1014·3	..	303·9	308	sev. dates	..	..	..	299·4	..	..	0	..
843	Wau	7 42	28 3	440	..	1010·8	+0·3	308·4	310	19th	293·8	292	27th, 29th	301·1	+1·1	..	0	− 18
844	Entebbe	0 5	32 29	1177	883·2	..	+0·6	299·6	302·4	6th	290·1	288·7	22nd	299·4	+0·4	..	209	+ 71
845	Nandi	0 2	35 5	2010	..	..	..	299·4	302·4	11th	281·9	280·8	2nd	290·7	..	..	103	..
851	Harrar	9 42	42 30	1856	..	..	..	299·0	300	sev. dates	283·3	281	28th	291·2	..	..	0	..
852	Cothin	10 0	76 21	2·7	1011·5	1011·7	−0·3	303·7	305·1	10th	296·6	295·3	2nd	300·2	−0·1	*299·8*	101	− 59
853	Colombo Observatory	6 54	79 53	7·3	1009·0	1009·8	+0·3	303·0	305·3	6th	295·4	290·8	13th	299·2	+0·1	*298·8*	330	+ 22
	Candy	7 18	80 40	504·5	..	..	..	301·3	302·8	6th, 26th	293·0	291·0	6th	297·2	+0·1	..	248	− 9
855	Medan	3 35	98 41	23·5	..	1010·0	−0·2	..	..	..	..	..	..	..	..	..	365	+120
856	Kota Radja	5 32	95 20	7·1	..	1010·5	..	..	..	..	..	..	..	..	..	..	198	+ 11
857	Penang	5 34	100 20	5·0	1007·6	1008·2	+1·6	304·2	306·3	20th	296·1	295·2	6th	300·2	+0·3	..	241	− 91
858	Singapore	1 17	103 51	2·2	1009·7	1009·9	−0·3	303·6	306·3	27th	296·3	294·4	29th	300·0	0·0	..	194	− 20
860	Sandakan	5 49	118 12	..	..	..	..	303·7	304·7	1, 14, 16	296·5	295·8	4th	300·1	+0·1	..	348	− 29
861	Tagbilaran	9 38	123 51	26·2	..	?1007·2	..	?304·9	..	..	?295·8	..	..	?300·4	..	299·5	..	..
862	Surigao	9 48	125 29	6	..	1007·6	..	?303·3	?305·0	15th, 18th	?296·4	?295·3	7th	?299·9	..	299·5	675	+255
863	Yap	9 29	138 8	31·9	..	1006·0	..	304·2	306·2	20th	297·1	?294·9	3rd	300·7	..	..	324	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	206	+ 9
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·6	1011·6	+2·5	306·9	308·0	10th	295·2	294·1	5, 7, 30	301·1	−0·1	..	19	− 4
906																		
923	Manaos	3 8	59 59	32·4	1000·9	1004·5	−2·0	..	..	..	..	..	..	302·2	+0·1	..	38	− 98
930	Fernando Noronha	3 51	W32 25	95	1000·2	1011·1	..	..	302·3	..	..	294·4	..	298·4	..	*298·3*	16	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	306·3	309·0	8th	292·4	291·1	16th	299·4	−0·2	..	303	..
940	Loango	4 38	11 50	? 50	..	..	..	302·7	..	..	295·4	..	..	299·1	..	..	216	..
943	Daressalam	6 49	39 18	7·6	1011·7	1012·5	..	302·3	303·3	25th	296·1	293·9	1st	299·2	..	297·0	12	..
944	Nairobi	1 18	36 59	1660	..	..	..	295·9	301·1	6th	285·4	280·2	2nd	290·7	..	..	129	− 38
944a	Zanzibar	6 10	39 11	21·9	1012·3	1014·8	+0·2	302·4	303·7	25th, 28th	298·3	296·5	6th	300·4	+0·5	..	145	− 75
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·7	303·6	21st	297·3	295·8	12th	300·0	..	..	56	..
947	Seychelles	4 37	55 27	4·6	..	1011·9	+0·5	301·6	303·2	..	297·9	296·4	..	299·8	+1·4	*299·8*	112	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·1	+0·1	..	..	..	..	..	..	..	..	..	704	+ 187
957	Batavia	6 11	106 50	8	1008·5	1009·4	−0·5	302·9	305·6	29th	296·3	294·6	27th	299·6	−0·2	298·9	259	+ 125
958	Pontianak	0 1	109 20	2·6	..	1010·2	+0·9	..	..	..	..	..	..	..	..	..	343	+ 59
959	Passeroean	7 38	112 55	5·0	..	1008·9	−0·6	304·9	306·5	..	296·5	295·0	..	300·7	..	*301·1*	26	− 46
960	Kajoemas	7 56	114 9	950	..	..	..	298·0	301·3	1st	291·9	291·0	8th	295·0	..	293·8	152	− 60
961	Koepang	10 10	123 34	3·3	..	1008·0	..	?306·3	?308·2	25th	?297·1	?295·6	26th	?301·7	..	?301·3	36	+ 5
962	Ambon	3 42	128 10	4·2	..	1008·6	0·0	303·6	305·3	8th	296·2	293·8	6th	299·9	+0·8	299·4	160	..
965	Daru	9 4	143 13	8	..	1011·3	+0·6	303·7	..	..	297·1	..	..	300·4	+0·1	..	16	− 67
966	Port Moresby	9 29	147 9	39	..	1009·0	−1·2	304·1	..	..	297·5	..	..	300·8	+0·2	..	21	− 27
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	356	− 45
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·3	1007·5	−0·2	304·3	305·2	sev. dates	297·6	296·3	6th	301·0	+0·4	..	220	− 9
970	Ocean Island	0 52	169 36	27·8	..	1008·0	−0·6	304·6	306·3	28th	297·6	296·9	sev. dates	301·1	0·0	..	109	− 54
		° S.	° E.															

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

1001		S.	W.															
1002	Apia, Samoa	13 48	171 46	5	..	1009·8	+0·9	..	304·9	..	..	293·5	..	299·6	+0·9	..	101	− 170
1003	Alofi, Niue Island	19 2	169 55	36·6	1009·9	1014·1	−0·2	302·1	305·8	9th	294·4	291·3	5th, 7th	298·2	−0·1	..	116	+ 14
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1011·6	..	304·3	305·8	..	296·5	294·4	..	300·4	..	..	143	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1013·9	1015·1	..	298·8	300·3	30th	286·2	283·3	21st, 22nd	292·5	+1·3	..	0	..
1022	Arequipa	16 22	71 33	2451	761·4	..	−0·1	293·0	295·2	15th	280·2	278·0	8, 18, 19	286·6	−0·6	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	−1	..	92	+ 35
1025																		
1026	Cuyaba	15 36	56 0	235	..	1016·6	+0·2	302·4	306·3	1st	297·0	295·4	3rd	299·7	−0·9	..	337	..
1035	St. Helena	15 57	W 5 40	632	946·9	1020·2	+0·6	291·9	294·1	29th	285·8	285·2	5th, 9th	288·9	+0·7	*288·5*	31	− 11
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·5	..	..	306·0	310·8	..	288·8	284·3	..	297·4	..	..	5	− 120
1043	Salisbury, Rhodesia	17 49	31 3	1487	856·5	..	..	304·4	307·2	..	288·7	285·2	..	296·6	..	..	24	− 73
1044	Zomba	15 23	35 18	899	905·6	1004·1	+0·8	305·4	311·6	25th	291·8	288·6	1st	298·6	+1·7	..	294	+ 157
1045	Tamatave	18 9	49 26	4	1016·6	1017·0	+1·2	304·0	305·0	..	295·6	294·0	..	299·8	..	..	160	+ 49
1046	Tananarivo	18 55	47 32	1400	865·9	..	+1·2	302·1	305·2	14th	286·5	282·9	4th	294·3	+0·4	293·3	9	− 107
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1011·6	−1·3	301·4	303·3	18th	297·9	296·3	21, 26, 28	299·7	−0·3	..	349	+ 24
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·4	1008·0	−1·3	302·7	306·3	..	297·2	295·9	..	299·9	−0·2	..	739	+ 431
1058																		
1061	Derby	17 18	123 40	16·2	..	1009·2	+0·1	308·6	314·4	29th	298·9	295·2	4th	303·8	+0·1	..	8	− 22
1062	Hall's Creek	18 13	127 46	373·4	..	1008·6	0·0	311·3	315·2	28th	296·1	289·1	19th	303·7	+0·1	..	12	− 24
1063	Port Darwin	12 28	130 51	29·6	..	1008·8	+0·3	307·0	309·1	26th	298·1	295·2	4th	302·6	−0·3	*301·5*	155	+ 2
1064	Daly Waters	16 16	133 23	213	..	1007·3	..	311·6	316·3	1st	296·7	293·1	18th	304·1	−0·1	..	57	− 64
1065	Mein	13 13	142 57	121·9	..	1008·4	..	308·1	312·9	26th	296·3	294·3	17th, 24th	302·2	..	..	4	− 27
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	310·1	312·9	24th	295·9	291·3	26th	303·0	..	..	17	..
1067	Samarai	10 37	150 40	6·4	..	1010·5	+0·6	302·0	..	..	296·4	..	..	299·2	−0·1	..	430	+ 183
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1013·4	+1·1	299·8	303·6	29th	295·2	293·0	19, 20, 22	297·5	−0·7	..	155	− 94
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

NOVEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	299·2	301·6	12th	294·1	288·8	6th	296·6	..	..	391	+ 229
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·4	1017·9	..	296·0	299·1	29th	289·5	287·3	13th	292·8	..	..	116	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·0	1016·0	..	291·0	293·4	20th	285·2	282·7	3rd	288·1	..	..	0	..
1122	Puerto de Antofagasta	23 39	70 25	5	1015·6	1016·2	+1·4	300·4	300·9	sev. dates	289·5	288·2	1st	295·0	+3·7	..	0	0
1125	Goya	29 9	59 15	64	1006·6	1014·1	..	301·4	308·0	27th	290·3	284·0	22nd	295·8	−0·4	*295·3*	134	+ 36
1126	Porto Alegre	30 2	51 13	26	1011·2	1013·1	..	301·5	306·6	24th	289·9	286·2	24th	295·7	..	295·4	75	..
1127	Curityba	25 26	49 16	908	912·0	1013·1	−0·9	298·8	305·0	3rd	287·2	281·6	28th	293·0	+0·8	291·9	181	+ 50
1128	Rio de Janeiro	22 54	W43 10	64	..	1011·6	−1·4	300·3	308·4	16th	295·0	292·7	28th	297·7	+1·5	..	82	− 27
1139	Windhuk	22 34	E17 5	1665·3	833·2	..	..	304·0	307·3	11th	290·7	285·4	24th	297·4	..	297·4	14	..
1140																		
1141	Johannesburg	26 11	28 4	1874	823·4	..	+0·1	300·7	304·1	13th, 21st	287·0	279·7	17th	293·8	+3·6	*293·4*	38	− 54
1142	Kimberley	28 43	28 46	?1232	880·6	..	−0·1	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	868·7	..	−0·7	305·7	309·6	8th	288·0	280·9	25th	296·8	+3·2	..	91	− 24
1143	Durban	29 51	31 0	79·9	1005·3	1016·7	0·0	299·3	308·0	5th	289·5	285·5	18th	294·4	−1·5	..	100	− 31
1144	Lorenzo Marques	25 58	32 36	59	..	1014·0	−1·3	303·4	317·4	24th	292·8	288·0	26th	298·1	+1·0	297·2	12	− 77
1147	Mauritius	20 6	57 33	54·3	1010·5	1016·9	+1·0	300·4	301·6	22nd	292·3	289·1	7th	296·4	−0·8	296·1	27	− 17
1148																		
1159	Onslow	21 43	114 57	4·3	..	1009·9	−0·2	306·0	312·4	6th	291·6	286·9	16th	298·8	−0·6	..	0	− 1
1160	Peak Hill	25 38	118 47	588·3	..	1009·2	+0·5	305·7	311·0	25th	291·3	282·4	14th	298·5	−1·4	..	3	− 2
1161	Nullagine	21 53	120 5	385·6	..	1008·5	+0·5	311·2	315·1	26th	293·7	283·5	15th	302·5	−0·3	..	1	− 10
1162	Laverton	28 40	122 23	466·3	..	1013·3	+1·5	303·3	312·4	26th	289·1	279·2	15th	296·2	−1·4	..	4	− 8
1163	Alice Springs	23 38	133 37	587·0	..	1010·1	+0·9	304·9	312·3	1st	290·8	282·9	17th	297·8	−1·6	*297·5*	32	+ 9
1164	William Creek	28 55	136 21	76·2	..	1012·9	..	303·1	313·8	30th	288·4	282·2	18th	295·8	−2·3	..	25	+ 14
1165	Boulia	22 55	139 38	145·7	..	1009·1	+0·6	309·7	312·4	22nd	292·7	284·7	18th	301·2	−0·4	..	39	+ 20
1166	Mitchell	26 32	147 52	337·1	..	1012·1	..	304·4	309·2	1st	289·6	280·2	7th, 8th	297·0	..	..	66	+ 15
1167	Rockhampton	23 24	150 30	11·3	..	1013·5	−0·5	303·7	307·4	24th	292·7	290·9	9th	298·2	−0·2	..	37	− 19
1168	Brisbane	27 28	153 2	41·7	..	1014·5	0·0	301·5	305·1	3rd	291·2	288·8	29th, 30th	296·4	+0·4	..	94	+ 2
1169	Noumea	22 16	166 27	9	1011·3	1012·3	..	302·3	307·6	23rd	294·1	292·0	3rd	298·2	+1·5	..	43	− 16
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° S.	° E.															

Between Latitude 30° S. and 40° S.

NOVEMBER—ZONE 12.

1219		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	1021·4	1022·6	+1·6	291·3	294·5	25th	285·5	283·5	2nd	288·4	−0·2	..	66	+ 20
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·9	1016·6	+1·3	294·1	300·8	7th	284·3	281·2	5th	289·2	−0·4	..	0	− 3
1222	Santiago	33 27	70 42	520	955·9	1016·3	+1·2	299·1	305·1	29th	280·8	276·5	5th	290·0	−0·2	289·0	1	− 4
1223	Cordoba	31 25	64 12	439	963·0	1013·6	−0·5	298·7	309·9	27th	285·9	279·0	1st	292·3	−0·9	292·3	119	+ 15
1224	Buenos Ayres	34 16	64 11	25·2	1010·0	1013·0	−0·8	296·6	303·0	13th	284·9	279·6	7th	290·8	−2·1	291·2	162	+ 89
1226	Rio Grande	32 2	52 6	2·3	1011·9	1012·2	..	296·5	302·4	28th	290·5	286·1	22nd	293·5	..	..	73	..
1239	Montevideo	34 52	W56 12	29·3	..	1012·4	+0·1	..	301·7	26th	..	284·5	3rd	..	+0·4	291·6	142	+ 86
1240	Cape Town	33 56	E18 29	9	1018·7	1019·8	+4·1	294·9	301·8	6th	285·8	279·6	1st	290·4	+0·1	..	37	+ 9
1241	Danger Point	34 37	19 18	20	..	..	..	293·4	299·1	11th	287·6	281·9	26th	290·5	..	..	50	..
1242	Heidelberg	34 5	20 58	1541	850·1	..	+0·6	304·3	308·6	5th	285·7	277·6	25th	295·0	+2·8	..	39	− 2
1242a	East London	33 2	27 55	10·1	1013·1	1014·3	−0·8	295·6	298·6	22nd	288·5	283·6	25th	292·1	+0·3	..	14	− 48
1259	Perth (Observatory)	31 57	115 51	60·0	..	1016·0	+0·3	297·3	306·9	25th	286·3	280·1	14th	291·8	+0·3	..	14	− 5
1260	Katanning	33 42	117 35	309·7	..	1015·4	+0·5	299·0	305·2	25th	281·8	277·0	15th	290·4	−0·1	..	12	− 2
1261	Coolgardie	30 57	121 10	423·3	..	1013·4	+0·5	301·4	311·9	26th	285·3	278·3	15th	293·3	−1·3	..	3	− 11
1262	Eucla	31 45	128 58	4·6	..	1015·0	+0·3	296·5	315·5	20th	285·5	279·4	5th	291·0	−0·9	..	41	+ 24
1263	Streaky Bay	32 48	134 13	13·1	..	1015·9	+0·7	296·7	306·6	13th	285·3	280·0	16th	291·0	−1·4	..	38	+ 20
1264	Adelaide	34 56	138 35	42·7	..	1015·0	−0·1	296·2	308·0	21st	285·8	279·8	25th	291·0	−1·5	..	51	+ 22
1265	Melbourne	37 49	144 57	35·1	..	1013·9	−0·4	293·9	310·6	14th	284·3	277·1	9th	289·1	−0·1	..	60	+ 5
1266	Bourke	30 13	145 58	110·1	..	1013·8	+1·3	306·1	313·6	14th	290·3	282·3	6th	298·2	−0·2	..	3	− 29
1267	Sydney	33 51	151 13	44·5	..	1014·7	+1·0	297·4	310·3	15th	288·9	285·2	7th	293·2	+0·7	..	66	− 8
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	70	− 42
1271	Auckland	36 50	174 50	38·1	..	..	..	290·7	293·6	3 dates	284·2	280·2	20th	287·5	−1·2	..	50	− 32
1272																		
		° S.	° E.															

Between Latitude 40° S. and 50° S.

NOVEMBER—ZONE 13.

1301		S.	W.															
1302	Chatham Island	43 52	170 42	58	..	..	..	287·8	294·7	26th	281·2	278·0	11th	284·5	+0·1	..	217	+160
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	285·6	290·3	30th	280·1	277·1	3rd	282·9	..	..	101	..
1323	Punta Galera	40 1	73 44	40	1014·7	1019·6	..	287·6	290·0	15th	280·7	277·6	4th	284·2	..	..	117	..
1324	Bahia Blanca	38 45	W62 12	20	1010·4	1012·8	−0·1	298·8	308·4	25th	284·6	280·0	5th	291·7	+1·0	*291·4*	11	− 44
1365																		
1366	Hobart	42 53	E147 22	48·8	..	1010·8	+1·8	290·7	297·7	14th	282·1	278·6	1st, 3rd	286·4	−0·7	..	51	− 12
1369	Launceston	41 27	147 10	9·4	..	1011·7	..	292·6	300·2	14th	281·7	277·0	8th	287·2	−0·4	..	56	+ 10
1370	Dunedin	45 52	170 31	90	..	1007·8	−1·8	290·4	299·7	24th	278·8	276·3	twice	284·6	−0·2	..	142	+ 57
1371	Christchurch	43 32	172 38	7·6	..	1009·6	−0·8	290·2	299·8	25th	280·7	275·4	29th	285·4	−0·9	..	55	+ 1
1372	Wellington	41 16	174 46	2·4	..	1011·4	−0·2	289·1	292·0	26th	283·4	279·1	twice	286·2	−0·6	..	149	+ 61
		° S.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	991·5	999·2	..	..	..	..	274·1	271·1	27th	278·3	..	..	251	..
1422	Puerto de Punta Arenas	53 10	70 54	4	993·5	994·0	−2·5	284·2	290·4	30th	275·3	272·0	15th	279·8	−1·5	279·7	56	+25
1423	Punta Dungeness	52 24	68 25	5	993·5	994·1	..	283·8	287·4	24th	277·8	276·0	14th, 16th	280·8	..	..	6	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	993·1	−6·4	282·9	292·4	9th	275·2	271·3	14th, 15th	279·1	−0·5	279·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	987·4	987·9	−3·9	279·2	288·9	27th	269·6	268·1	6th	274·4	−1·8	*274·0*	158	+42
1430		S.	W.															

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	979·6	980·5	−8·4	271·4	274·6	21st	265·4	252·6	9th	268·4	−2·7	268·9	44	+4
1528																		

NOVEMBER—ZONE 16. Between Latitude 70° S. and 80° S.

1669																		
1670	Cape Evans(McMurdo Sound)	S. 77 38 ′ °	E. 166 24 ′ °	18 metres.	.. mb.	990·8 mb.	−3·7 mb.	.. a.	272·7 a.	..	.. a.	251·6 a.	..	.. a.	−0·4 a.	262·6 a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
1	SE	5·5	E 2	SE 1	Calm 0	Calm 0	NE 2	NE 4	Calm 0	NE 1	NE 2	SE	3
2	SE by S	11·4	SE 4	SE 2	NE 2	W 2	E 3	NE 2	SE 1	NE 2	NE 2	E	1
3	SE by S	12·4	SE 4	SE 2	SW 2	W 2	NE 2	E 2	Calm 0	NE 2	NE 1	E	4
4	SSE	10·1	SE 3	E 5	Calm 0	E 3	E 3	E 1	ESE 2	NE 1	NE 1	E	2
5	SE	8·9	SE 4	SE 2	Calm 0	Calm 0	SE 2	E 2	SE 2	NE 2	NE 3	NE	3
6	SE	10·4	SE 3	SE 2	NE 2	W 2	E 4	E 3	ESE 1	NE 2	NE 2	NE	4
7	SE	12·6	ENE 3	NE 2	Calm 0	SW 2	E 2	SE 2	Calm 0	NE 2	NE 3	Calm	0
8	SE by S	7·3	E 3	E 1	NE 2	Calm 0	NE 7	NE 2	Calm 0	NE 2	NE 3	NE	3
9	SE	8·2	SE 4	E 5	Calm 0	SW 2	E 3	E 2	Calm 0	NE 4	NE 3	E	5
10	SE		SE 3	SE 1	N 2	W 3	E 3	NE 2	Calm 0	NE 4	NE 4	NE	5
11			SE 1	Ca m 0	N 2	W 2	Calm 0	SE 1	SE 2	NE 2	NE 3	N	4
12		Cylinder not revolving.	SE 3	SE 2	Calm 0	W 3	NE 1	E 2	SE 3	NE 3	NE 3	E	5
13			SE 4	SE 3	NE 2	W 2	E 6	E 2	ESE 1	NE 2	NE 3	NE	5
14			SE 3	SE 4	Calm 0	W 2	E 2	Calm 0	SE 2	NE 3	NE 2	E	3
15			SE 4	SE 3	N 2	Calm 0	NE 4	E 2	SE 2	NE 2	NE 2	NE	4
16	SE by S	5·8	SE 3	SE 4	N 2	W 3	E 3	E 3	SE 2	NE 2	NE 2	E	4
17	SE	9·8	ESE 3	E 3	Calm 0	W 2	E 4	E 4	Calm 0	NE 3	NE 2	E	3
18	SE	10·4	SE 4	E 6	Calm 0	W 3	E 7	E 2	SE 2	NE 3	NE 3	E	3
19	SE by E	8·1	SE 4	SE 2	Calm 0	W 2	E 2	E 3	SE 1	NE 2	NE 2	E	3
20	SE	7·7	SE 3	SE 4	NE 2	W 3	E 3	E 2	Calm 0	NE 2	NE 2	SE	2
21	SE	9·3	SE 3	SE 2	NE 2	Calm 0	E 2	E 2	ESE 2	NE 2	NE 3	E	1
22	SE by S	10·4	SE 4	SE 4	NE 2	W 2	E 3	E 1	Calm 0	NE 3	NE 2	E	3
23	SSE	12·6	SSE 4	SE 3	NE 2	W 2	E 2	E 3	NE 2	NE 3	NE 4	E	4
24	SE	10·4	SE 2	E 3	NE 2	Calm 0	E 2	E 1	Calm 0	NE 3	NE 3	NE	4
25	SE by E	7·2	SE 5	SE 3	Calm 0	W 2	E 4	E 3	Calm 0	NE 2	NE 2	E	3
26	SE	6·8	ESE 4	SE 3	N 2	W 2	E 2	E 2	Calm 0	NE 3	NE 2	NE	3
27	SE	7·1	SE 4	ESE 2	Calm 0	W 2	E 1	E 2	Calm 0	NE 2	NE 3	NE	4
28	SSE	7·8	ESE 4	E 3	N 2	W 2	E 1	E 2	Calm 0	SE 2	SE 3	E	2
29	SE	6·5	SE 4	SE 5	Calm 0	W 2	E 3	E 5	Calm 0	NE 2	NE 2	N	3
30	SE	6·8	ESE 4	SE 1	Calm 0	SW 2	E 4	E 2	Calm 0	NE 2	NE 3	N	3
Mean for Month	..	8·0	3·4	2·8	1·1	1·8	2·9	2·2	0·8	2·3	2·5	..	3·1
Deviation from Normal	..	+0·2	..	..	..	..	−0·4	..	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1912.

**Greenland Sea.*—"The first 'Storis' reached Angmagsalik on the 11th, and on the 14th had filled all bays and nooks, but the ice-belt was not broad."

**Iceland.*—"The coasts were ice-free."

North Atlantic and Labrador.—"There were very few reports of icebergs from the *Newfoundland Banks*. The limits of the ice were 48° N., 48° 30′ W. There were still icebergs in *Belle Isle Strait*."

**Davis Strait.*—"Owing to the slight degree of frost the ice was not so thick as usual this month. In Melville Bay and at Umanak the sea from at the end of the month, at Upernivik not till December. Off the Western Islands there were vast masses of West ice."

**Behring Sea.*—"The first ice at Nome was seen on November 24th."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. DECEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	999·5	1000·5	..	..	..	..	..	..	..	249·6	..	..	5	..
124																		
125	Upernivik	72 47	W56 7	18·9	995·6	998·1	−7·4	261·1	270·0	5th	256·8	246·2	27th	258·5	+2·5	..	3	−10
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1001·4	1002·9	−7·8	..	275·6	9th	255·5	234·0	29th	260·4	..	..	67	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1001·8	1002·7	−0·7	..	278·3	31st	267·1	264·0	30th	..	−0·3	*269·5*	14	−53
142	Mehavn	71 1	27 47	6·4	1001·8	1002·7	..	..	275·1	8th	266·1	261·2	14th	..	..	*269·0*	26	−62
143	Vardö	70 22	31 8	10·0	1004·2	1005·5	+0·3	..	274·5	8th	266·4	258·0	29th	..	+0·4	*269·0*	14	−36
144																		
147	Malye Karmakouly	72 23	52 43	14·8	1008·8	1010·7	+0·4	..	271·6	4th, 11th	263·2	257·2	29th	265·6	+6·4	*265·6*	8	−2
148		N.	E.															

Between Latitude 70° N. and 60° N. DECEMBER—ZONE 2.

203	Nome	N. 64 30	W. 165 24	6·7	1001·4	1002·3	..	259·8	273·0	..	254·3	238·6	..	257·1	..	..	11	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	252·7	268·6	..	246·0	229·7	..	249·3	..	..	9	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	270·4	278·6	..	263·6	251·9	..	267·0	..	..	232	..
208	Eagle	64 46	141 12	248	970·0	1003·0	..	255·7	275·2	..	246·3	227·4	..	251·1	..	..	28	..
209	Dawson	64 4	139 20	321	963·4	1006·5	−9·1	252·6	264·1	7th, 8th	244·9	230·8	31st	248·8	−1·0	..	53	+24
210	Carcross	60 11	134 34	662	..	..	..	268·1	280·2	7th, 8th	258·8	242·4	25th	263·4	..	..	24	..
211																		
212	Fort Simpson	61 52	120 43	129	994·3	1012·2	..	250·4	259·2	14th	243·6	230·1	31st	247·0	..	*247·0*	38	..
213																		
214	Hay River	60 51	115 20	161	988·8	1010·6	..	255·7	265·8	22nd	245·1	233·0	..	250·4	..	..	27	..
	Fort Resolution	61 0	113 0	240	..	..	..	254·9	264·1	..	247·4	237·4	..	251·1	..	..	12	..
225																		
226	Jacobshavn	69 13	51 2	12·6	993·5	995·1	−8·1	264·8	274·2	9th	258·7	250·2	28th	261·8	+1·7	..	18	+7
229	Godthaab	64 11	51 44	9	988·7	989·9	−9·6	268·2	275·0	30th	263·4	257·8	14th	265·4	+0·3	..	3	−43
230	Angmagsalik	65 37	37 34	31·7	988·8	992·8	..	268·5	277·3	9th	262·6	257·1	25th	265·6	..	..	7	..
231																		
232	Stykkisholm	66 5	22 46	11·3	986·7	988·2	−11·2	273·1	278·1	8th, 9th	268·9	263·5	24th	271·0	0·0	..	22	−37
233	Vestmanno	63 26	20 15	7·7	984·8	985·8	−12·1	276·1	281·2	8th	270·6	264·9	1st, 20th	273·4	−0·5	..	110	−22
234	Grimsey (Akureyri)	66 33	17 58	6·8	990·3	991·2	−10·3	273·6	277·5	9th, 10th	269·0	261·8	30th	271·3	+0·2	..	5	−25
235	Berufjord	64 40	14 19	18	985·6	987·9	−13·5	274·9	278·4	8th	269·1	261·0	1st	272·0	+0·4	..	72	−55
236	Thorshavn	62 3	6 45	25·7	987·8	990·9	−12·2	278·4	283·0	11th, 12th	273·4	266·0	1st	275·9	−0·5	..	195	+13
	Lerwick	60 9	W 1 8	18·0	993·3	995·4	−9·9	280·2	283·0	20th	276·1	270·2	1st	278·2	+0·9	..	165	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	993·9	999·3	−9·5	..	283·3	6th	275·4	270·4	1st	..	+2·9	*277·4*	343	+132
239	Christiansund	63 7	7 45	17·8	994·2	996·4	−9·9	..	281·7	21st	275·1	272·2	19th	..	+2·4	*277·3*	151	+38
240	Trondhjem	63 26	10 25	39·5	993·2	998·1	−9·6	..	281·0	21st	271·5	262·1	20th	..	+3·7	*274·2*	53	−34
241	Bodö	67 17	14 24	20·5	996·4	998·9	−6·4	..	278·2	7th	269·6	265·6	24th	..	+0·1	*271·7*	31	−53
242	Haparanda	65 50	24 9	9·2	1004·7	1005·9	−3·4	268·0	274·0	3rd	262·2	247·0	28th	265·1	+2·1	..	62	+30
242*a*	Helsingfors	60 10	24 57	11·7	..	1006·0	−5·5	..	277	..	..	267	..	273·3	+4·4	*273·2*	83	+38
	Knopio	62 54	27 40	99·7	..	1008·2	..	..	276	..	..	257	..	268·5	+2·8	*268·4*	56	..
243																		
244	Kola	68 53	33 1	6·7	1007·6	1008·5	+1·1	267·6	273·5	9th	259·9	244·4	29th	263·8	+1·5	..	17	+8
245	Petrozavodsk	61 47	34 23	38·9	..	1010·6	−2·1	..	278	..	..	253	..	268·1	+3·3	*268·0*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1013·6	+2·9	..	272	..	..	245	..	262·4	+0·8	*262·4*	20	−1
247	Velsk	61 5	42 7	? 87	1004·2	1015·6	..	..	274·0	23rd	259·8	235·1	31st	263·0	..	*262·9*	22	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1018·2	+4·2	..	270	..	..	245	..	260·1	+3·8	*260·0*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	1005·5	1022·1	..	..	269·2	1st	254·3	236·5	31st	257·6	..	*257·5*	39	..
249																		
250	Berezov	63 56	65 4	39·7	1018·4	1023·9	+7·3	..	263·8	3rd	248·6	232·5	22nd	252·3	+1·0	*252·2*	16	+5
251	Obdorsk	66 31	66 35	23·7	1018·7	1021·9	+8·7	..	269·3	1st	249·1	232·4	21st, 22nd	253·3	+3·0	*253·2*	15	..
252	Sourgout	61 15	73 24	? 40	1019·8	1025·3	+6·5	..	267·7	29th	247·7	234·7	28th	251·6	−0·1	*251·4*	26	..
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1021 0	1023·7	..	..	271·0	1st	241·2	227·5	31st	246·0	..	*246·0*	5	..
261																		
262	Olekminsk	60 22	120 26	? 202	1009·6	1039·4	+2·6	..	249·5	3rd	232·7	221·7	21st	237·4	−2·4	*237·2*	9	..
263	Iakoutsk	62 1	129 43	? 108	1015·2	1031·8	+5·8	..	233·6	17th	..	..	..	227·3	−4·5	*227·1*	0	−9
264	Verkhoïansk	67 33	133 24	? 100	1010·0	1025·4	+3·6	..	233·5	..	221·9	217·9	..	224·1	−1·8	*224·1*	2	−3
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	235·6	14th	222·8	216·9	20th	226·6	..	*226·4*	1	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
302		N.	W.															
303	Dutch Harbour	53 54	166 32	4·0	..	..	..	273·7	277·4	..	269·0	263·0	..	271·4	..	..	105	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	999·3	1002·6	−2·4	278·3	283·0	..	273·3	267·4	..	275·8	+2·2	..	505	+305
310	Prince Rupert	54 18	130 18	52	..	1007·9	..	279·2	284·1	7th, 8th	274·5	270·2	16th, 17th	276·8	..	..	412	..
311	Barkerville	53 2	121 35	1274	..	1013·5	..	270·2	275·2	7th	263·6	256·3	11th	266·9	−0·9	*266·9*	153	+71
312	Kamloops	50 41	120 29	379	..	1016·1	−2·8	274·1	280·8	18th	268·5	261·3	21st	271·8	−0·4	*271·8*	14	−7
313	Calgary	51 2	114 2	1033	..	1011·3	−5·3	276·4	283·6	6th	265·6	255·2	1st	271·0	+4·2	*271·0*	0	−14
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	240·2	1st	..	..	..	..	..
315	Prince Albert	53 10	106 0	436	..	1010·8	−4·8	265·6	279·1	27th	255·4	244·7	11th	260·5	+2·2	*260·5*	27	+8
316	Qu'Appelle	50 30	103 47	645	..	1011·0	−4·6	268·7	276·9	9th	257·7	245·8	8th, 11th	263·2	+2·6	*263·2*	25	+6
317	Minnedosa	50 15	99 50	518	..	1012·3	..	265·7	274·9	27th	256·0	242·4	28th	260·8	+0·6	*260·8*	21	..
318	Berens River	52 18	97 23	216	..	..	..	260·9	275·2	28th	252·7	240·8	8th	256·8	..	*256·8*	23	+85
318a	York Factory	57 0	92 28	11	1008·5	1010·0	−6·2	..	261·9	18th, 19th	244·1	236·3	4th, 5th	249·9	+0·5	..	97	..
319	Fort Hope	51 32	87 48	..	977·9	..	..	260·2	273·6	1st	249·7	238·6	19th	255·0	..	..	38	..
320	Moose Factory	51 16	80 56	9	1010·3	1011·5	..	261·6	274·7	2nd	251·7	238·6	12th	256·7	..	..	47	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	998·5	1000·4	−6·1	259·7	271·4	..	254·1	248·7	..	256·9	−1·5	..	..	..
324	Nain	56 33	61 41	4·2	1001·6	1002·1	−5·4	258·9	272·4	..	252·2	243·7	..	255·6	−2·5	..	..	..
325	Davis Inlet	55 50	60 50	..	999·6	..	..	257·8	271·9	20th	252·0	240·8	10th	254·9	..	..	..	−324
326	Point Riche	50 42	57 25	10·7	..	..	..	..	282·4	3rd	..	254·1	13th	267·0	−0·4	..	3	..
327	Belle Isle	51 55	55 20	133	985·0	1002·1	..	267·1	273·0	28th	258·7	244·1	13th	262·9	..	..	25	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1005·4	1007·1	−5·4	283·6	285·8	3rd, 11th	279·7	274·1	1st	281·7	+1·2	282·0	176	+47
335	Aberdeen	57 10	2 6	27·4	997·4	1000·8	−8·0	280·4	286·9	14th	274·9	260·2	2nd	277·7	+1·3	277·5	30	+35
336	Greenwich	51 28	W 0 0	48·5	1008·3	1014·1	−1·2	283·3	286·9	14th	277·8	269·1	1st	280·6	+3·4	280·8	71	..
337	Uccle	50 48	E 4 22	100	1005·2	1017·3	+0·6	281·6	285·9	28th	276·2	272·0	1st	278·9	+3·3	*278·8*	73	+37
338	De Bilt	52 6	5 11	3·0	1015·0	1015·4	+0·8	281·0	285·6	28th	275·8	272·2	3rd	278·4	+2	278·5	97	+57
338a	Hamburg	53 33	9 59	26·0	1010·6	1013·8	−0·6	280·0	285·1	28th	276·4	272·7	6th	278·2	+4·9	278·1	71	+37
339	Copenhagen	55 41	12 36	5·0	1009·1	1009·7	−4·3	279·0	284·1	15th	275·7	271·8	4th	277·4	+4·1	..	78	..
340	Potsdam	52 23	13 4	84·9	1005·8	1016·1	+0·2	279·5	284·8	14th	274·2	269·6	7th	276·9	+3·5	276·5	55	..
340a	Upsala	59 51	17 38	24·0	1000·9	1003·9	−7·3	275·6	280·9	21st	271·8	267·2	16th, 17th	273·7	+4·4	273·9	85	..
341	Warsaw	52 15	21 1	120	1002·0	1017·1	+0·7	..	281·4	29th	272·9	268·4	8th, 12th	275·0	+6·3	*274·9*	51	..
342	Jurjev	58 23	26 43	74·5	999·2	1008·6	−4·6	274·4	277·5	22nd	271·2	266·9	13th	272·8	+8·2	*273·1*	42	..
343	Petrograd	59 56	30 16	4·8	..	1008·6	−4·1	..	277	..	..	260	..	271·2	+4·6	*271·1*	44	+18
344	Kiev	50 27	30 30	182·9	..	1017·6	−1·1	..	278	..	..	267	..	273·3	+4·6	*273·2*	44	+19
344a	Moscow	55 45	37 34	156	..	1014·6	−2·9	..	276	..	..	258	..	269·8	+4·9	*269·7*	46	+21
345	Saratov	51 32	46 3	59·9	..	1018·6	−1·5	..	275	..	..	253	..	269·2	+4·1	*269·1*	65	+37
346	Kazan	55 47	49 8	79·8	1008·0	1018·2	−2·2	..	274·4	28th	..	252·8	22nd	266·9	+5·5	*266·9*	47	+23
347	Orenburg	51 45	55 6	114·1	..	1024·2	−0·4	..	274	..	..	243	..	263·8	+2·6	*263·7*	54	+27
348	Perm	58 1	56 15	163·0	..	1022·4	..	..	273	..	..	239	..	258·6	−0·5	*258·5*	52	..
349	Ekaterinburg	56 50	60 38	288·9	..	1025·4	+3·6	..	272	..	..	236	..	256·3	−2·3	*256·1*	24	+14
350	Tobolsk	58 12	68 14	108·3	1011·9	1026·7	..	..	271·5	29th	250·9	236·0	23rd	254·2	−1·9	*254·0*	19	+14
351	Akmolinsk	51 12	71 23	? 347	984·4	1030·0	−1·1	..	272·4	17th, 18th	254·2	244·5	24th	259·4	+1·1	*259·2*	44	+27
352	Omsk	54 58	73 23	87·9	1016·2	1028·2	+2·8	..	270·5	26th	252·0	242·9	23rd	256·7	−0·9	*256·5*	26	+9
353	Barnaoul	53 20	83 47	162·2	1011·2	1033·0	+2·6	..	267·7	23rd	252·6	243·4	8th	257·6	+0·1	*257·4*	40	+17
354	Tomsk	56 30	84 58	121·6	1014·6	1031·3	+4·2	..	269·5	1st	250·8	239·5	19th	254·7	−1·5	*254·5*	31	..
355	Minousinsk	53 43	91 41	? 255	1002·0	1037·2	..	..	267·0	30th, 31st	243·6	228·3	21st	250·1	..	*249·9*	12	−8
356	Eniseisk	58 27	92 11	84·4	1020·0	1031·8	+4·4	..	269·2	1st	245·6	226·6	20th	250·9	−1·4	*250·7*	18	−2
357	Irkutsk	52 16	104 19	467·0	973·2	1036·4	+4·4	..	269·2	1st	246·2	231·4	18th	251·0	−4·9	*250·7*	11	−9
358	Kirensk	57 47	108 7	? 263	997·4	1034·0	..	..	269·8	1st	242·2	221·2	18th	247·1	..	*246·9*	31	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	..	..	..	..	265·2	2nd	237·8	224·6	23rd	242·1	..	*241·9*	20	..
360a	Nertchinsk	51 59	116 35	484·3	966·2	1033·5	..	..	267·8	2nd	238·7	227·3	21st	243·5	−5·0	*243·2*	2	..
361	Tygan Ourkan	54 5	124 46	? 370	978·2	1029·4	..	..	259·8	3rd	238·5	228·9	28th	245·3	..	*245·0*	6	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	260·0	5th	232·1	225·4	21st	239·2	..	*239·0*	0	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1016·3	1019·2	+5·7	248·9	259·1	..	241·1	234·3	..	246·3	−6·7	*246·1*	6	−17
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	991·5	1002·9	+0·9	264·2	271·5	..	258·7	246·9	..	261·5	−4·7	..	107	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

DECEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
411		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
412	Victoria, B.C.	N. 48 24	W. 123 19	25·9	..	1018·2	+1·6	280·1	282·8	13th	276·3	272·7	19th	278·2	−0·8	278·3	148	−11
413	Portland, Oregon	45 32	122 41	46·6	1017·1	1022·7	+4·4	280·7	285·2	29th	275·8	271·9	27th	278·2	+0·1	*278·0*	204	+18
414	Macleod	..	..	..	..	..	..	276·1	283·0	9th	267·5	257·4	1st	271·8	+1·4	*271·8*	8	−43
414a	Helena	49 44	113 24	954	..	..	..	276·4	281·9	3rd	267·9	260·8	11th	272·1	+3·1	*272·1*	9	−10
415	Salt Lake City	40 46	111 54	1331	872·6	1018·3	−2·0	276·2	283·6	14th	268·3	261·9	22nd	272·3	−0·8	*272·1*	20	−13
416	Cheyenne	41 8	104 48	1856	871·8	1024·0	+3·0	274·9	283·6	14th	263·6	252·4	25th	269·3	−2·1	*269·0*	16	+8
416a	North Platte	41 8	100 45	860	810·6	1020·0	+1·0	279·1	288·6	14th	264·3	258·0	6th	271·7	+1·7	*271·4*	5	−8
417	Bismarck	46 47	100 38	510·2	916·9	1019·6	+0·3	273·9	288·0	9th	261·0	250·2	8th	267·4	+3·9	*267·3*	10	−5
418	Winnipeg	49 53	97 7	231·6	952·3	1015·2	−3·4	266·3	276·9	27th	258·1	246·6	8th	262·2	+2·8	*262·0*	18	+2
419	Duluth	46 47	92 6	345·3	..	1012·2	−5·1	270·0	277·4	1st	260·3	249·1	22nd	265·2	+0·1	*265·3*	56	+25
420	Port Arthur	48 27	89 12	196·3	968·8	1011·8	−5·8	268·9	277·4	1st	258·7	247·4	8th	263·8	+0·6	*263·8*	18	+2
421	Chicago	41 53	87 37	250·9	..	1011·1	−5·5	277·7	286·9	5th	269·8	256·9	12th	273·8	+2·3	*273·9*	27	−25
422	Toronto	43 40	79 24	106·7	984·7	1015·6	−3·0	276·7	286·6	6th	269·9	261·4	9th	273·3	+2·7	272·7	47	−19
423	New York	40 43	74 0	111·3	..	1014·4	−3·5	280·1	290·2	6th	273·1	264·7	9th	276·6	+2·3	*277·1*	108	+20
424	St. John, N.B.	45 17	66 4	21·3	1005·6	1017·6	−1·4	275·2	284·4	19th	266·9	257·3	13th	271·1	+2·4	*271·3*	187	+85
425	S. W. Point, Anticosti	49 24	63 35	9	..	1012·8	−3·1	..	..	..	..	..	..	..	..	..	29	..
426	Sable Island (Main Station)	43 57	60 6	7·6	1006·2	1007·4	..	271·1	277·4	7th	260·7	255·2	9th, 21st	265·9	..	..	..	..
	St. Johns, Newfoundland	47 34	52 42	38·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	655·4	..	1006·3	−4·5	275·6	283·0	11th	268·1	259·7	14th	271·8	+0·6	..	152	+26
436	Nantes	47 15	W 1 34	41·4	948·3	1027·4	+5·6	282·9	286·1	31st	270·9	266·1	17th	276·9	−0·9	276·3	1	−40
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1021·2	+2·4	283·9	286·7	28th	277·5	271·9	31st	280·7	+2·2	*280·5*	76	−9
438	Marseilles	43 18	5 23	75·0	..	1020·8	+2·8	281·7	286·4	28th	275·1	270·2	9th	278·4	+2·2	277·8	44	−2
438a	Zürich	47 23	8 33	493·2	965·2	1023·0	+6·7	285·7	290·8	28th	276·1	272·0	14th	280·9	+0·6	*280·4*	35	−24
439	Rome	41 54	12 29	63·4	..	1026·2	+7·8	..	285·6	28th	..	267·8	8th	274·3	+1·9	..	43	−31
440	Vienna	48 15	16 22	202·5	996·7	1022·0	+3·0	278·1	285·9	16th	273·2	267·3	10th	275·7	+3·3	*275·7*	19	−23
440a	Buda-Pesth	47 30	19 2	129·6	1007·1	1024·4	+4·8	278·0	285·8	15th	272·7	266·8	8th	275·4	+3·1	..	37	−14
441	Bucharest	45 25	26 6	82	1012·3	1022·6	+2·0	..	285·0	16th	..	269·0	23rd	275·2	+2·6	..	4	−40
442	Odessa (University)	46 29	30 46	65·3	1012·8	1021·2	+1·8	277·1	283·0	16th	273·7	268·0	13th	275·4	+2·7	*276·0*	15	−18
443	Kharkov (University)	50 0	36 14	140	..	1018·8	+0·2	..	276	..	..	265	..	271·4	+3·9	*271·3*	50	+15
444	Novorossiisk	44 40	37 49	37	..	1020·2	..	..	288	..	..	269	..	278·9	+1·7	*278·8*	120	+60
444a	Tiflis	41 43	44 48	409	..	1023·8	+1·2	..	284	..	..	264	..	275·5	−0·5	*275·4*	5	−25
445	Astrakhan	46 21	48 2	−14	..	1023·2	+0·6	..	278	..	..	253	..	271·5	+1·8	*271·4*	29	+19
446	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Krasnovodsk	40 0	52 59	−15	..	1022·8	..	..	285	..	..	271	..	277·5	−0·9	*277·4*	..	..
448	Tachkent	41 20	69 18	478·3	966·8	1025·5	−1·1	280·1	289·3	1st	271·0	260·7	25th	275·6	+0·2	*275·4*	55	+8
449	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
450	Narynskoe	41 26	76 2	?2015	796·7	..	..	..	..	..	272·0	2nd	258·2	251·0	25th	262·9	+2·8	*262·8*
451	Vernyi	43 16	76 53	? 835	926·1	1029·4	+0·7	273·1	282·0	3rd	..	..	..	267·7	+0·5	*267·6*	14	..
452																	42	+6
461	Mukden	41 48	123 23	43·8	1025·8	1031·8	+6·2	266·3	276·9	5th	253·8	246·9	28th	260·1	−3·6	259·7	3	−3
462	Joshin	40 40	129 11	4·0	1025·0	1025·5	+5·7	273·6	280·3	5th	264·1	253·4	24th	268·9	−0·2	268·3	35	−5
463	Vladivostok	43 7	131 54	26·8	1023·8	1027·4	+6·4	264·8	275·0	..	257·6	248·3	..	261·2	−1·3	*260·8*	6	..
464																		
465	Ochiai	47 20	142 44	15·0	1016·0	1017·9	..	264·7	272·1	31st	250·5	240·5	30th	257·6	..	259·0	31	..
466	Nemuro	43 20	145 35	26·7	1014·0	1017·5	+6·4	272·7	278·4	8th	264·7	259·6	20th	268·7	−2·8	269·0	41	−21

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

511	San Francisco	N. 37 48	W. 122 26	47·2	1018·2	1024·0	+4·1	286·9	292·4	8th	280·8	278·0	27th	283·9	+0·4	*283·7*	33	−74
512	San Luis Obispo	35 18	120 39	61·3	1015·7	1023·3	+3·7	290·3	295·2	18th	277·1	271·9	7th	283·7	−0·9	*283·5*	6	−53
513	Modena																	
514	San Diego	37 48	113 54	1670	836·4	1023·3	+3·4	277·9	284·7	13th	262·3	255·8	27th	270·1	−2·7	*269·9*	0	−15
515	Santa Fé	32 43	117 10	26·5	1016·6	1020·0	+1·7	290·3	298·6	18th	280·9	276·9	31st	285·3	−0·9	*285·0*	1	−46
516	Denver	35 41	105 57	2138	886·8	1022·3	+4·4	275·2	284·7	15th	264·0	258·0	6th	269·6	−2·4	*269·2*	20	0
517	Abilene	39 45	105 0	1613	836·3	1019·6	+1·0	279·1	288·6	14th	265·2	256·9	6th	272·2	−1·0	*271·9*	11	−5
518	Saint Louis	32 23	99 40	529·7	958·5	1021·3	+1·7	284·7	293·6	4th	273·9	269·1	27th	279·3	−0·9	*279·0*	33	+5
519	Mobile	38 38	90 12	172·8	997·6	1018·6	−1·7	281·4	291·9	5th	271·9	261·9	12th	276·7	+1·7	*276·6*	11	−46
520	Nashville	30 41	88 2	17·4	1018·7	1021·0	0·0	288·9	294·1	5th	281·1	274·7	28th	285·0	+1·2	*284·7*	206	+91
521	Charleston	36 10	86 47	166·4	1001·5	1022·0	+1·0	282·2	291·9	5th	273·1	264·1	13th	277·7	−0·4	*277·5*	131	+33
522	Washington	32 47	79 56	14·6	1019·3	1021·0	0·0	288·9	297·4	6th	281·1	273·0	28th	285·0	+1·3	*284·7*	99	+20
523		38 54	77 3	34·1	1014·9	1019·3	−1·0	282·5	295·8	6th	272·4	265·8	13th	277·5	+2·2	*277·4*	105	+25
524	Bermuda	32 17	64 46	46·0	..	1022·9	+3·0	294·6	297·3	5th	288·6	286·3	14th, 30th	291·6	+0·4	..	56	−70
531	Horta																	
532																		
533	Ponta Delgada	38 32	28 38	30	..	1022·3	+2·3	290·6	294	1st	287·2	281	20th	288·9	+0·1	..	57	−73
534	Madeira (Funchal)	37 44	25 40	17	..	1023·4	+4·3	290·0	293	1, 2, 7	285·7	281	20th, 21st	287·8	−0·4	..	48	..
535	Lisbon	32 37	16 54	25	1019·7	1022·7	..	291·7	294·2	1st	282·0	279·3	31st	286·8	..	..	126	+11
536	Casablanca	38 43	9 9	95·4	1012·3	1024·0	+3·8	286·1	287·8	5th	280·1	276·5	27th	283·1	−0·8	*283·0*	20	−84
	Gibraltar	33 37	7 35	17	1020·6	1023·0	..	..	..	..	..	277·2	..	285·5	−0·9	..	10	−45
		36 6	5 21	16	1021·4	1023·4	+4·5	289·3	292·4	23rd	283·2	280·2	2, 12, 29	286·3	−0·1	..	75	−79
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1024·4	+ 8·2	289·5	292·6	27th	283·1	280·7	11th	286·3	−0·8	..	17	− 99
538	Palma	39 33	2 42	..	..	1024·0	+ 6·4	288·4	290	sev. dates	280·7	278	5th, 6th	284·6	..	..	16	..
538a	Tunis	36 48	10 10	43	..	1026·7	+10·0	287·0	291·4	28th	279·1	275·0	17th	283·1	−1·5	..	24	− 49
539	Malta	35 54	14 31	59	..	1023·4	+ 6·4	289·0	292	1st	284·9	283	sev. dates	287·0	+0·1	..	24	− 79
540	Catania	37 30	15 3	64·9	..	1022·2	+ 6·4	289·9	290·8	1st	283·6	278·3	9th	286·8	+1·8	..	102	+ 23
541	Athens	37 58	23 43	107·1	..	1022·0	+ 4·9	287·8	291	16th	281·8	277	11th	284·8	+1·0	*284·5*	87	+ 25
542	Alexandria	31 9	29 54	32·0	..	1021·8	+ 3·2	293·1	296	2nd, 3rd	285·9	281	7th	289·5	+0·3	*289·5*	27	− 45
543	Cairo (Helwan)	29 52	31 20	115·6	..	1022·2	+ 2·3	292·1	294	4th	282·3	279	26th	287·2	−0·3	287·1	19	− 16
544	Nicosia	35 12	33 24	22·1	..	1020·6	+ 2·0	288·9	289	sev. dates	275·6	272	24, 25, 26	282·2	−1·9	..	94	+ 17
544a	Beirut	33 54	35 28	52·4	..	1019·9	+ 2·5	290·2	295	5th	285·1	282	28th	287·6	−1·0	..	268	+ 69
545	Baghdad	33 21	44 28	38·7	1018·0	1023·0	+ 2·7	289·2	294·9	2nd	277·5	270·3	25th	283·3	−1·3	..	31	+ 25
546	Lenkoran	38 46	48 52	−19	1024·7	1022·3	+ 0·6	..	286·1	18th	276·0	271·0	27th	278·8	−0·3	*278·6*	132	+ 16
547	Busrah	30 31	47 53	7·6	1019·8	1020·9	..	290·0	295·7	8th	281·7	274·7	28th	285·8	+0·1	..	37	+ 7
548	Meshed	36 16	59 35	946	909·9	1023·0	..	281·4	288·2	20th	270·4	261·7	27th	275·8	−1·5	..	27	− 14
549	Quetta	30 11	67 3	1677	837·3	..	+ 0·7	285·9	291·9	2nd	272·4	267·0	6th, 7th	279·2	−0·1	*278·7*	38	− 6
550																		
551	Lahore	31 34	74 20	214	994·4	1020·6	+ 1·0	295·1	298·2	26th, 31st	278·6	275·9	22nd, 23rd	286·8	+0·1	*285·6*	4	− 22
551a	Simla	31 7	77 8	2204·3	783·6	..	+ 0·8	283·2	286·4	24th	277·7	273·5	7th	280·4	+0·6	*279·9*	9	− 6
552	Leh	34 10	77 42	3506	668·1	..	+ 0·7	272·3	276·6	5th	260·2	254·1	21st	266·2	−2·3	*265·1*	10	− 11
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	11	− 8
559	Hang Kow	30 35	114 17	37·0	1026·0	1030·6	+ 2·5	280·7	289·8	6th	274·6	269·7	24th, 28th	277·7	−2·5	..	41	+ 25
560	Tiensin	39 10	117 10	5·0	1031·8	1032·5	+ 5·0	272·5	279·1	5th	266·2	258·4	23rd	269·4	−2·2	..	5	+ 3
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1028·7	+ 2·8	282·8	289·9	6th	274·8	265·0	29th	278·8	0·0	278·3	31	+ 1
562	Chemulpo	37 29	126 32	67·6	1020·0	1028·8	+ 4·7	274·7	282·2	6th	267·5	257·0	24th	271·1	−2·5	270·8	19	− 31
562a	Nagasaki	32 44	129 52	133·0	1008·2	1024·7	+ 2·7	284·5	291·4	18th	277·4	271·4	25th	280·9	−0·2	280·8	108	+ 67
563	Kioto	35 1	135 46	49·4	1017·3	1023·5	+ 3·6	283·9	288·9	19th	272·0	266·1	25th	278·0	+0·1	277·4	120	+ 43
564	Tokio	35 41	138 45	21·3	1018·3	1020·9	+ 4·9	282·6	290·9	19th	274·2	270·1	26th	278·4	−0·3	277·7	102	+ 1
565	Miyako	39 38	141 59	30·4	1016·6	1020·4	+ 5·7	280·1	286·9	1st	269·2	264·0	27th	274·7	−1·6	273·7	74	− 1
566																		
		N.	E.															

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·3	1017·6	+ 2·9	298·9	301·3	..	293·7	291·3	..	296·3	+1·0	..	53	− 65
606																		
615	Zacatecas	22 47	102 35	2610	747·2	..	..	286·3	290·0	16th	279·4	275·0	19th	282·9	..	..	12	− 3
616	Leon	21 7	101 41	1798·6	825·0	..	− 0·5	294·6	297·0	7th	281·1	278·0	19th	288·2	+1·6	..	3	− 12
617	Galveston	29 18	94 50	16·5	1018·5	1020·6	+ 0·7	289·3	296·9	1st	282·7	276·3	12th	286·0	−0·5	*286·0*	219	+ 175
618	New Orleans	29 58	90 4	15·5	1018·6	1020·6	+ 0·3	289·8	298·0	4th	282·2	275·2	13th	286·0	+0·6	*285·7*	285	+ 1
619	Havana	23 8	82 22	24·3	..	1018·2	− 0·2	300·0	303·5	30th	293·6	291·2	21st	296·8	+1·6	296·8	41	− 41
620	Key West	24 33	81 48	6·7	1017·8	1018·6	0·0	298·3	300·8	3rd	293·9	289·1	28th	296·1	+1·9	*296·0*	57	+ 14
621	Nassau, Bahamas	25 5	77 21	7·6	..	1018·9	0·0	299·6	302·4	25th	294·8	291·1	21st	297·2	+2·1	..	16	− 14
622																		
633	Puerto de Orotava	28 25	16 32	? 100	..	..	..	291·7	294·7	..	285·0	282·1	..	288·4	..	..	143	− 17
634	Las Palmas, Canary Islands	28 1	W15 26	9	1020·6	1021·7	+ 0·3	295·5	299·4	5th	287·6	284·2	22nd	291·6	0·0	..	29	− 1
637	Insalah	27 17	E 2 27	330	..	..	..	..	..	..	..	..	..	..	....	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1023·9	+ 1·5	295·2	301	21st	279·0	274	25th	287·1	−1·0	*288·0*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1020·7	+ 1·5	296·8	303	5th	282·9	277	31st	289·8	−0·7	*289·5*	..	..
643	Suez	29 57	32 32	3·4	..	1021·8	+ 3·3	294·2	297	1, 4, 5	280·9	277	26, 27, 28	287·6	−0·9	..	4	+ 1
644	Aswan	24 2	32 53	99·6	..	1019·6	+ 0·9	297·2	305	5th	283·3	280	27th	290·2	−0·9	*290·6*	..	..
647	Bushire	28 59	50 53	4	1019·8	1020·4	+ 0·8	291·8	299·8	1st	284·2	277·2	27th	288·1	−1·8	..	30	+ 5
648	Jask	25 44	57 47	4	1018·5	1018·9	0·0	297·5	301·5	2nd	289·9	287·1	21st	293·7	−0·9	..	47	+ 12
649	Kurrachee	24 53	66 57	4	1018·8	1019·3	+ 0·9	299·1	301·3	29th, 30th	288·3	285·8	7th, 20th	293·7	−0·1	*293·3*	0	− 3
650	Hyderabad, Sind	25 24	68 18	29	1016·2	1019·6	+ 0·9	298·7	303·6	26th	284·1	280·2	20th	291·4	−0·3	..	0	− 3
651	Jaipur	26 56	75 52	436	969·0	1020·4	+ 0·4	298·6	302·6	29th	281·8	277·5	20th	290·2	−0·2	*289·1*	3	− 3
652	Nagpur	21 8	79 5	310	982·9	1019·2	+ 1·1	300·5	303·1	20th	284·2	280·7	1st	292·3	−0·6	*291·9*	6	− 1
653	Allahabad	25 25	81 51	91	1008·0	1019·2	+ 0·7	296·3	300·0	20th	281·3	278·8	21st	288·8	−0·7	*287·7*	1	− 3
654	Calcutta	22 36	88 23	6	1017·1	1017·9	+ 0·6	298·1	300·8	21st	285·9	284·4	16th	292·0	−0·1	*291·4*	0	− 1
655	Gauhati	26 8	91 41	59	1011·9	1018·9	..	296·9	299·3	31st	284·6	281·9	15, 16, 24	290·7	..	..	2	− 5
655a	Cherrapunji	25 15	91 42	1313	871·7	..	..	288·6	290·1	5, 11, 15	281·3	278·6	18th	284·9	..	..	43	+ 37
656	Shillong	25 33	91 48	1500	852·8	..	..	288·5	289·9	24th	277·8	275·6	9th	283·2	..	..	4	− 1
656a	Akyab	20 11	92 56	6	1015·8	1016·4	+ 0·8	299·2	300·2	4 days	289·6	287·2	23rd	294·4	−1·3	*293·7*	0	− 1
657	Phu Lien	20 48	106 37	115·6	1006·3	1020·1	+ 0·5	294·7	300·0	17th, 18th	288·2	280·8	28th	291·4	−0·2	290·9	22	+ 5
658	Moncay	21 31	107 51	10	1019·6	1020·8	+ 0·9	294·2	298·0	1st, 14th	285·3	277·2	28th	289·8	−0·6	..	26	+ 5
659																		
660	Hong Kong	22 18	114 10	33·2	..	1020·4	+ 0·5	292·0	297·1	14th	287·0	280·4	28th	289·5	−0·7	289·3	125	+ 94
661	Taihoku, Formosa	25 2	121 31	9·3	1020·8	1021·9	+ 1·2	293·6	301·0	18th	287·4	282·0	28th	290·5	+0·6	290·1	105	+ 12
662	Naha	26 13	127 41	10·5	1019·5	1020·8	+ 0·6	294·7	300·7	18th	289·2	285·2	16th	291·9	+1·4	291·7	115	+ 4
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	847·2	..	..	296·2	299·0	15th	285·0	281·8	5th, 31st	290·6	..	..	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1007·4	1014·0	..	..	305·5	7th	..	291·5	28th	298·5	..	..	0	..
718	Mexico	19 26	99 8	2280	780·7	..	+0·6	292·3	294·0	6th	279·6	277·7	27th	286·0	+0·7	286·2	0	− 7
718a	Oaxaca	17 4	96 44	1563	847·7	..	..	300·3	302·4	15, 17, 23	282·8	280·2	30th	291·6	..	..	11	..
719	Belize	17 29	88 12	1·9	1016·6	1016·8	−0·7	300·9	304·7	18th	296·1	292·4	1st	298·5	..	..	394	+233
720	San Salvador	19 29	88 12	1·9	..	1013·0	+1·4	303·1	304·5	26th	288·6	286·0	21st	295·9	+0·6	..	53	+ 44
721	Jamaica (Negril Point)	13 44	89 9	657	939·3	1013·0	+1·4	303·1	304·5	26th	288·6	286·0	21st	295·9	+0·6	..	53	+ 44
722	Port au Prince	18 15	78 23	10·1	..	1014·4	+0·8	302·9	304·8	7th	294·9	291·8	31st	298·9	+0·5	*298·3*	84	+ 30
723	St. Croix (Christiansted)	18 34	72 22	37·4	1010·6	1014·9	+2·8	304·7	306·0	8th	294·2	291·4	30th	299·5	..	298·6	37	− 10
724	Grenada (Richmond Hill)	17 45	64 42	6·6	1012·3	1013·0	..	300·8	302·5	..	296·5	295·3	..	298·7	..	..	42	..
725	Barbados	13 8	59 36	55·2	994·1	1010·6	..	300·9	302·3	4th, 24th	296·8	293·1	15th	298·9	+0·1	*298·7*	122	+ 29
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·3	1015·6	+1·1	296·3	298·6	2nd	293·0	288·5	16th	294·6	−1·7	..	0	− 11
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·9	1015·9	..	297·6	301·2	30th	293·9	292·5	27th	295·8	..	..	0	..
733	Bathurst	13 24	16 36	5	1011·9	1012·5	+0·3	301·9	306·9	2nd	291·5	287·4	13th	296·7	−0·4	..	0	− 3
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	307·8	310·8	7th	291·2	283·0	9th	299·5	..	..	0	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	288·2	286·0	13th, 14th	..	..	..	0	..
736	Timboucto	16 43	W 2 52	250	..	1012·7	−0·3	305·0	310·0	..	286·8	280·4	..	295·9	+0·7	*295·6*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	302·5	305·8	3, 4, 5	289·4	286·3	18th, 30th	296·0	−0·3	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	308·4	310·2	2nd	289·3	285·2	3rd	298·9	+1·0	..	0	− 23
739	Maiduguri	11 48	13 12	370	..	..	..	304·2	308·0	2nd, 12th	285·3	279·7	27th	294·7	..	..	0	0
740	Katagum	12 17	10 22	30·7	..	..	..	304·4	309·1	1st	284·3	280·2	19th	294·4	..	..	0	0
741	Kadugli	11 2	29 45	503	..	..	..	307·0	311·0	4, 6, 7	287·8	283·0	18th, 21st	297·4	..	..	0	..
742	El Obeid	13 11	30 14	585	..	1016·7	+0·7	302·3	308	6th	284·4	280	25th	293·4	−0·8	*293·9*	0	0
743	Khartoum	15 37	32 33	390	..	1015·1	+1·2	302·8	309	4th	288·9	282	28th	295·8	−0·2	*295·8*	0	0
744	Aden	12 45	45 3	28·7	1013·4	1016·7	0·0	300·1	302·2	20th	296·0	294·1	27th	298·1	−0·2	*297·7*	2	− 5
751	Bombay	18 54	72 49	11·3	1014·4	1015·8	+0·2	302·3	303·6	4, 29, 30	294·4	292·7	19th, 27th	298·4	+0·3	*298·0*	0	− 2
752	Mysore	12 18	76 40	768	930·0	1015·8	+0·4	300·2	302·7	21st	287·8	285·8	16th	294·0	−0·5	*293·5*	0	− 11
752a	Kodaikanal	10 13	77 28	2343	772·3	..	+0·3	290·6	294·7	25th	281·8	278·0	11th	286·2	+0·5	285·6	133	+ 29
753	Madras	13 4	80 14	6·7	1015·3	1015·9	+1·0	301·6	302·4	12, 24, 30	293·1	290·8	26th	297·3	−0·4	297·0	8	− 151
754	Waltair	17 45	83 16	68·9	1009·7	1017·8	+1·2	299·3	300·8	11th	291·7	289·3	17th	295·5	..	*295·1*	0	− 27
755	Port Blair	11 40	92 40	17·7	1011·5	1013·5	+0·6	302·9	304·2	26th	297·9	294·7	20th	300·4	+0·1	*300·0*	2	− 171
756	Rangoon	16 46	95 48	5·5	1015·1	1015·8	+0·7	303·3	304·7	28th	291·6	288·6	19th	297·5	−0·7	*296·6*	0	− 4
757	Saigon	10 46	106 42	11·2	..	1012·0	+1·0	303·9	305·0	15th	294·4	292·7	9, 11, 25	299·2	+0·2	..	77	+ 1
758	Nhatrang	12 16	109 12	6·8	..	1014·7	+1·5	301·2	304·4	4th	293·6	289·7	23rd	297·4	−0·4	..	83	− 122
759	Bolinao	16 24	119 53	9·7	..	1011·6	..	303·9	305·0	11, 13, 30	294·5	291·6	8th	299·2	..	298·9	2	− 14
760	Vigan	17 34	120 23	14·7	..	1011·8	..	304·2	307·5	26th	293·8	290·8	7th	299·0	..	298·7	0	− 10
761	Manila	14 35	120 59	14·2	..	1012·0	+0·5	303·6	305·4	13th, 27th	294·0	291·2	8th	298·8	−0·4	297·8	14	− 47
762	Ormoc	11 0	124 36	5·6	..	1010·4	..	303·7	305·3	26th	295·4	292·3	18th	299·6	..	299·2	65	− 116
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	1009·3	..	301·8	303·6	8th	297·0	295·0	16th	299·4	..	..	244	..
		N.	E.															

Between Latitude 10° N. and 0°.

DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	..	..	..	305·5	307·4	2, 5, 7	297·6	293·8	22nd	301·6	+0·2	*299·9*	168	− 57
819	Culebra	9 10	79 40	123·1	..	1010·1	+0·1	303·0	304·1	1st	295·2	292·4	18th	299·0	−0·1	..	124	− 71
823	Caracas	10 31	66 56	?	897·5	..	..	297·8	300·0	..	287·5	284·9	..	292·7	..	..	31	..
825	El Peru, Guayanavieja	7 30	62 0	? 300	983·8	..	..	301·5	303·0	12th	294·3	293·0	15th	297·9	..	..	120	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	1010·1	1010·3	−0·9	303·4	304·0	15th	296·7	295·6	29th	300·1	+0·8	..	418	− 21
826a	Paramaribo	5 49	55 9	4	1012·2	1012·6	..	302·6	305·6	10th	295·6	294·8	22nd	299·1	..	*299·1*	237	..
827	Cayenne	4 56	52 21	6	..	..	..	302·9	304·6	12th	296·5	294·4	31st	299·7	+0·2	..	270	− 17
833	Conakry	9 31	13 43	16	1008·0	1009·8	−0·7	303·9	305·7	..	297·3	296·0	..	300·6	+0·5	..	0	..
834	Sierra Leone	8 30	13 9	68·3	1003·0	1010·8	0·0	305·3	306·9	31st	296·6	294·6	10th	300·9	+0·2	..	14	− 23
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	302·2	..	..	295·9	..	..	299·1	−0·6	..	0	− 20
837	Lagos	6 22	E 3 28	7·6	1009·1	1009·9	−0·8	304·3	305·4	..	296·6	294·1	..	300·4	+0·1	..	0	−22
838a	Zungeru	9 48	6 10	130	..	1011·4	−0·1	307·6	310·2	2nd	290·2	286·3	3rd	298·9	−0·3	..	0	− 33
839	Libreville	0 23	9 26	35	..	..	..	303·9	305·0	7th	294·6	293·8	7th	299·3	+0·1	..	131	−150
841	Yola	9 12	12 30	259	..	..	..	306·6	309·7	3rd	292·2	288·6	19th	299·4	+0·2	..	0	− 1
842	Kafia Kingi	9 22	24 18	596	947·9	1015·7	..	..	..	..	..	..	..	294·4	..	..	0	..
843	Wau	7 42	28 3	440	..	1012·7	+1·2	306·4	309	5, 6, 7	292·6	289	26th	299·5	+0·4	..	0	0
844	Entebbe	0 5	32 29	1177	884·1	..	+1·5	299·2	302·2	15th	289·9	288·6	21, 25, 27	294·6	0·0	..	253	+114
845	Nandi	0 2	35 5	2010	..	..	..	299·1	300·8	10th	282·0	280·8	8th	290·6	..	..	14	..
851	Harrar	9 42	42 30	1856	..	..	..	299·8	302	4th, 5th	283·6	280	27th, 30th	291·7	..	..	0	..
852	Cothin	10 0	76 21	2·7	1013·0	1013·3	+0·3	304·3	305·6	13th, 31st	295·3	293·4	25th	299·8	−0·3	*299·4*	18	− 23
853	Colombo Observatory	6 54	79 53	7·3	1010·1	1010·9	+0·9	302·7	304·4	30th	295·1	293·6	26th	298·9	−0·2	*298·5*	145	− 26
855	Candy	7 18	80 40	504·5	..	..	..	300·0	302·7	3rd	292·8	291·1	26th	296·4	−0·2	..	353	+125
856	Medan	3 35	98 41	23·5	..	1010·8	−0·5	..	..	..	..	..	..	..	..	..	166	− 62
857	Kota Radja	5 32	95 20	7·1	..	1011·8	..	..	..	..	..	..	..	..	..	..	239	+ 11
858	Penang	5 34	100 20	5·0	1008·3	1008·9	−0·8	304·2	305·5	24th	295·9	294·7	1st	300·1	0·0	..	99	− 83
860	Singapore	1 17	103 51	2·2	1010·0	1010·2	+0·6	303·3	305·2	3rd, 11th	296·1	295·2	8th, 11th	299·7	+0·2	..	469	+197
861	Sandakan	5 49	118 12	..	..	..	..	303·4	304·7	6, 7, 22	296·4	295·8	4, 12, 24	299·9	+0·3	..	375	− 84
862	Tagbilaran	9 38	123 51	26·2	..	1010·0	..	304·8	305·7	12th, 13th	294·9	292·0	19th	299·9	..	298·9	40	− 125
863	Surigao	9 48	125 29	6	..	1010·0	..	302·7	305·5	5th	296·1	293·5	19th	299·4	..	298·9	272	− 279
867	Yap	9 29	138 8	31·9	..	1007·7	..	303·7	305·3	1st	297·1	295·4	28th, 30th	300·4	..	..	176	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	216	+105
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·1	1011·2	+2·8	306·3	308·0	7th	296·7	295·2	17th	301·5	+0·3	..	0	— 11
906																		
923	Manaos	3 8	59 59	32·4	1003·8	1007·5	+0·6	..	..	..	..	..	..	300·0	−1·4	..	377	+184
930	Fernando Noronha	3 51	W32 25	95	999·4	1010·3	..	..	302·2	..	..	294·0	..	299·5	..	*299·5*	15	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 50	? 50	..	..	..	302·7	305·5	7th	295·6	294·1	2nd	299·2	..	..	146	..
943	Daressalam	6 49	39 18	7·6	1011·2	1012·0	..	301·7	302·9	8th	296·1	294·9	29th	298·9	..	299·2	203	..
944	Nairobi	1 18	36 59	1660	..	..	..	294·1	297·4	9th	285·3	281·6	24th	289·7	..	..	132	+312
944a	Zanzibar	6 10	39 11	21·9	1011·8	1014·2	+0·8	302·1	303·6	7th	298·3	295·6	26th	300·2	−0·9	..	453	..
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·2	303·6	11th	297·3	295·8	20th	300·2	..	..	92	..
947	Seychelles	4 37	55 27	4·6	..	1012·3	+0·6	301·5	302·6	..	297·5	295·6	..	299·5	+0·4	*298·9*	332	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·3	0·0	..	..	..	..	..	..	..	..	..	626	+135
957	Batavia	6 11	106 50	8	1009·1	1010·0	+0·4	302·9	304·8	15th	296·6	295·8	8th	299·7	+0·5	299·2	112	−102
958	Pontianak	0 1	109 20	2·6	..	1010·8	+1·5	303·0	304·3	9th	296·0	295·3	16th	299·5	..	298·7	354	− 11
959	Passeroean	7 38	112 55	5·0	..	1009·3	+0·3	304·9	306·5	..	296·0	294·5	..	300·5	..	*300·5*	135	− 30
960	Kajoemas	7 56	114 9	950	..	..	..	296·7	299·4	18th	291·2	290·4	12th	294·0	..	293·1	368	− 28
961	Koepang	10 10	123 34	3·3	..	1008·4	..	304·5	307·3	15th	296·6	294·7	16th	300·6	..	299·9	350	+ 96
962	Ambon	3 42	128 10	4·2	..	1009·4	+0·9	303·9	305·5	23rd	296·3	294·1	18th	300·1	+0·9	299·5	84	− 88
965	Daru	9 4	143 13	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39	..	1009·5	+0·5	305·4	..	..	297·7	..	..	301·6	+0·4	..	39	− 57
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	149	−242
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·4	1006·6	0·0	305·4	307·4	16, 26, 30	297·2	295·2	5th	301·3	+0·5	..	94	−196
970	Ocean Island	0 52	169 36	27·8	..	1006·3	−1·2	304·3	306·7	28th	297·0	294·4	18th	300·7	−0·3	..	427	+210
		S.	E.															

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1007·9	+0·1	..	304·0	..	..	293·9	..	299·8	+0·8	..	102	−264
1003	Alofi, Niue Island	19 2	169 55	36·6	1006·7	1010·9	−0·8	303·3	306·3	18, 27, 31	294·8	291·3	29th	299·1	−0·4	..	61	−117
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1009·9	..	304·4	306·0	..	296·5	294·8	..	300·5	..	..	180	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1011·6	1012·8	..	299·3	301·0	19th	288·7	287·0	1st	294·0	+1·6	..	0	..
1022	Arequipa	16 22	71 33	2451	760·9	..	+0·4	292·9	294·7	3, 4, 27	282·2	279·1	1st	287·6	+0·1	..	3	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	0	..	91	−241
1025																		
1026	Cuyaba	15 36	56 0	235	..	1016·2	+0·1	302·5	304·6	12th	297·4	296·1	14th	300·0	..	..	296	..
1035	St. Helena	15 57	W 5 40	632	945·6	1018·7	−0·3	292·8	294·7	2nd, 15th	286·4	285·7	5th	289·6	+0·4	*289·2*	48	− 5
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·2	..	..	300·4	306·2	..	288·2	283·9	..	294·3	..	..	119	− 51
1043	Salisbury, Rhodesia	17 49	31 3	1487	856·1	..	..	297·7	302·8	..	287·9	285·8	..	292·8	..	..	232	+251
1044	Zomba	15 23	35 18	899	905·7	1005·7	+2·7	299·3	302·4	2nd	290·6	289·7	4th	294·9	−0·5	..	504	+ 56
1045	Tamatave	18 9	49 26	4	1014·4	1014·8	+2·1	304·3	306·3	..	296·0	294·8	..	300·2	..	..	152	− 56
1046	Tananarivo	18 55	47 32	1400	864·9	..	+1·5	300·5	305·1	2nd	288·1	283·9	27th	294·3	+0·3	292·9	255	− 50
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·6	+1·7	301·8	302·4	sev. dates	297·7	295·8	6th	299·8	−0·3	..	102	− 9
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·9	1008·5	+0·4	303·4	305·6	..	296·9	295·4	..	300·2	+0·1	..	230	+ 55
1058																		
1061	Derby	17 18	123 40	16·2	..	1009·6	+2·3	308·9	311·8	22nd	299·1	295·7	31st	304·0	+0·1	..	50	− 64
1062	Hall's Creek	18 13	127 46	373·4	..	1008·9	+1·9	310·7	314·7	22nd	296·2	290·8	14th	303·4	−0·1	..	40	− 49
1063	Port Darwin	12 28	130 51	29·6	..	1008·5	+1·9	307·1	308·3	24th	298·6	295·8	9th	302·8	+0·2	*301·7*	244	− 63
1064	Daly Waters	16 16	133 23	213	..	1006·9	..	312·3	316·3	20th, 21st	297·5	292·4	13th, 29th	304·9	+0·7	..	44	− 67
1065	Mein	13 13	142 57	121·9	..	1007·8	..	308·1	311·4	12th	295·9	293·3	5th	302·0	..	..	84	−107
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	310·4	313·6	20th	295·0	291·3	4th	302·7	..	..	40	..
1067	Samarai	10 37	150 40	6·4	..	1010·1	+0·9	302·1	..	..	296·6	..	..	299·4	−1·0	..	166	+ 53
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1009·6	−0·2	300·5	303·6	28th	295·2	291·9	10th	297·9	−1·2	..	648	+348
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	300·4	302·4	25th, 26th	294·1	289·7	19th	297·2	..	..	159	− 22
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1013·5	1017·0	..	297·3	299·5	14th	290·8	289·2	2nd	294·1	..	..	119	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1011·5	1014·5	..	292·7	294·5	22nd, 28th	287·4	285·3	10th	290·1	..	..	1	..
1122	Puerto de Antofagasta	23 39	70 25	5	1013·8	1014·4	0·0	300·9	301·6	26th, 31st	290·6	290·2	14th	295·8	+3·1	..	0	0
1125	Goya	29 9	59 15	64	1004·5	1011·9	..	304·6	310·6	27th	293·2	284·0	11th	298·9	+0·2	*298·4*	225	+113
1126	Porto Alegre	30 2	51 13	26	1010·3	1011·8	..	303·2	309·0	5th	290·6	284·7	1st, 21st	296·9	..	296·7	148	..
1127	Curityba	25 26	49 16	908	913·0	1012·4	−0·7	300·5	306·0	29th	287·1	282·5	11th	293·8	−0·1	292·5	87	− 73
1128	Rio de Janeiro	22 54	W43 10	64	..	1011·9	+0·3	299·8	305·8	15th	295·1	292·1	2nd	297·5	−0·3	..	50	− 88
1139	Windhuk	22 34	E17 5	1665·3	832·7	..	..	302·8	306·1	1st	290·3	285·4	22nd	296·6	..	296·4	94	..
1140																		
1141	Johannesburg	26 11	28 4	1874	823·3	..	+0·7	297·3	302·7	11th	285·4	280·4	24th	291·3	+0·1	*290·9*	123	+ 21
1142	Kimberley	28 43	28 46	?1232	880·5	..	+0·4	..	..	..	..	..	..	..	..	..	..	..
1142a	Pretoria	25 45	28 11	1576	868·7	..	+0·3	301·9	306·2	28th	287·7	283·6	31st	294·8	+0·1	..	103	− 5
1143	Durban	29 51	31 0	79·9	1006·4	1015·8	−0·2	298·2	305·2	16th	291·9	288·0	24th	295·1	−2·0	..	222	+100
1144	Lorenzo Marques	25 58	32 36	59	..	1014·3	+2·1	302·9	310·2	4th	294·0	288·9	23rd	298·4	−0·1	298·1	50	− 57
1147	Mauritius	20 6	57 33	54·3	1008·3	1014·6	+1·1	302·7	305·0	22nd	293·3	289·5	6th	298·0	−0·8	297·5	123	− 1
1148																		
1159	Onslow	21 43	114 57	4·3	..	1008·8	+1·6	308·8	316·5	18th	294·0	289·2	8th	301·4	−0·4	..	0	− 4
1160	Peak Hill	25 38	118 47	588·3	..	1007·4	+1·4	311·7	316·7	18th	295·8	289·6	6th	303·8	+0·7	..	4	− 8
1161	Nullagine	21 53	120 5	385·6	..	1007·1	+1·3	313·7	317·4	18th	296·9	290·3	7th	305·3	+0·9	..	12	− 19
1162	Laverton	28 40	122 23	466·3	..	1010·1	+0·8	310·3	316·9	16th	293·9	286·8	2nd	302·1	+1·7	..	7	− 7
1163	Alice Springs	23 38	133 37	587·0	..	1009·0	+1·9	308·0	315·1	21st	292·7	285·8	12th	300·3	−0·8	*301·1*	21	− 13
1164	William Creek	28 55	136 21	76·2	..	1011·5	..	308·8	317·4	18th	293·0	284·1	11th	300·9	+0·5	..	1	− 8
1165	Boulia	22 55	139 38	145·7	..	1008·0	+2·5	313·7	318·7	20th, 22nd	296·5	291·2	14th	305·1	+1·3	..	26	− 7
1166	Mitchell	26 32	147 52	337·1	..	1008·9	..	307·7	315·2	19th, 20th	290·7	281·2	14th	299·2	..	..	22	− 43
1167	Rockhampton	23 24	150 30	11·3	..	1011·7	+1·1	305·8	308·7	4th, 10th	293·8	289·8	3rd	299·8	−0·4	..	72	− 32
1168	Brisbane	27 28	153 2	41·7	..	1012·4	+0·4	303·4	308·5	8th	292·3	286·6	13th	297·8	+0·1	..	132	+ 2
1169	Noumea	22 16	166 27	9	1008·5	1009·5	..	302·2	306·0	28th	294·0	291·0	6th	298·1	+0·1	..	124	+ 57
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

DECEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1018·6	1019·8	−0·2	294·7	299·5	21st	288·2	285·1	2nd	291·5	+0·4	..	26	+ 12
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1009·6	1014·3	+0·2	294·6	300·0	16th	285·7	283·4	9, 10, 13	290·2	−0·9	..	1	− 6
1222	Santiago	33 27	70 42	520	953·1	1012·8	−0·8	302·2	306·4	16th	283·1	279·7	10th	292·7	+0·2	291·7	0	− 6
1223	Cordoba	31 25	64 12	439	960·7	1010·5	−2·1	303·9	309·5	27th	289·8	284·6	7th	296·8	+0·8	296·1	172	+ 53
1224	Buenos Ayres	34 16	64 11	25·2	1007·8	1010·7	−0·6	301·5	306·5	16th	290·0	284·1	31st	295·8	+0·4	296·0	94	− 5
1225	Rio Grande	32 2	52 6	2·3	1011·0	1011·3	..	298·6	305·3	24th	292·0	287·0	1st	295·3	..	..	109	..
1226	Montevideo	34 52	W56 12	29·3	..	1010·6	−1·5	..	305·1	4th	..	284·5	1st	..	+1·2	295·0	27	− 54
1239	Cape Town	33 56	E18 29	9	1013·4	1014·5	+0·2	299·3	307·1	24th	288·7	283·1	1st	294·0	+1·2	..	2	− 19
1240	Danger Point	34 37	19 18	20	..	..	..	294·7	297·4	7th	289·4	286·9	11th	292·1	..	..	4	..
1241	Heidelberg	34 5	20 58	1541	851·6	..	+2·8	301·3	306·2	5th	286·2	281·7	20th, 24th	293·7	+0·6	..	119	+ 88
1242	East London	33 2	27 55	10·1	1014·4	1015·6	+1·6	295·9	300·8	11th	289·7	284·1	24th	292·8	−0·5	..	90	+ 35
1259	Perth (Observatory)	31 57	115 51	60·0	..	1013·8	+0·2	300·0	313·1	11th	289·0	282·1	1st	294·5	+0·1	..	11	− 3
1260	Katanning	33 42	117 35	309·7	..	1012·9	−0·2	303·1	311·9	27th	286·0	279·3	22nd	294·6	+1·0	..	10	− 2
1261	Coolgardie	30 57	121 10	423·3	..	1010·9	−0·2	308·3	316·9	16th	290·6	283·4	22nd	299·4	+2·0	..	6	− 10
1262	Eucla	31 45	128 58	4·6	..	1014·2	+1·0	300·8	322·3	17th	288·3	280·4	11th	294·6	+0·9	..	1	− 9
1263	Streaky Bay	32 48	134 13	13·1	..	1015·2	+1·7	301·8	316·0	17th	287·8	281·0	4th	294·8	+0·7	..	1	− 8
1264	Adelaide	34 56	138 35	42·7	..	1014·5	+1·3	300·9	313·8	17th	287·8	282·9	4th	294·3	−0·4	..	41	+ 17
1265	Melbourne	37 49	144 57	35·1	..	1013·7	+1·3	295·5	311·9	22nd	285·2	279·7	11th	290·3	−0·8	..	90	+ 33
1266	Bourke	30 13	145 58	110·1	..	1012·1	+1·6	309·2	318·7	21st	292·9	284·4	12th	301·1	−0·2	..	14	− 15
1267	Sydney	33 51	151 13	44·5	..	1013·2	+1·4	298·1	306·8	18th	290·4	284·2	13th	294·2	+0·1	..	54	− 12
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	100	− 29
1272	Auckland	36 50	174 50	38·1	..	..	..	293·8	297·2	26th	286·5	282·7	6th	290·1	−0·7	..	21	− 52
		S.	E.															

DECEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	170 42	58	..	..	..	290·4	296·3	16th	281·9	276·9	1st	286·2	0·0	..	22	− 14
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	287·8	291·7	17th	282·6	279·3	10th	285·2	..	..	135	..
1322	Punta Galera	40 1	73 44	40	1011·6	1016·4	..	289·2	292·2	13th	283·6	280·2	11th	286·4	..	..	61	..
1323	Bahia Blanca	38 45	W62 12	20	1007·0	1009·3	−1·5	304·8	313·8	22nd	290·1	280·5	31st	297·5	+3·7	*296·4*	26	− 22
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1008·4	−0·8	293·9	305·3	14th	283·8	278·5	12th	288·9	+0·2	..	53	+ 4
1366	Launceston	41 27	147 10	9·4	..	1009·8	..	294·9	304·4	22nd	283·4	278·3	12th	289·2	−0·5	..	75	+ 24
1369	Dunedin	45 52	170 31	90	..	1009·6	+0·3	292·0	299·7	16th	280·9	274·7	14th	286·4	−0·2	..	89	+ 5
1370	Christchurch	43 32	172 38	7·6	..	1012·0	+1·0	293·7	305·2	29th	283·2	276·0	21st	288·4	−0·4	..	12	− 30
1371	Wellington	41 16	174 46	2·4	..	1014·7	+3·5	292·8	298·4	28th	285·4	280·2	1st	289·1	+0·4	..	20	− 64
1372																		
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·4	1000·1	..	..	..	..	276·1	273·0	11th	280·6	..	..	159	..
1422	Puerto de Punta Arenas	53 10	70 54	4	998·0	998·5	+4·5	287·2	289·8	31st	278·4	274·5	30th	282·8	−0·2	282·6	30	−4
1423	Punta Dungeness	52 24	68 25	5	997·5	998·1	..	286·4	290·0	17th	281·0	279·2	9th	283·7	..	..	48	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	997·4	−3·8	283·1	286·9	25th	276·6	274·1	28th	279·9	−0·1	280·6	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	992·8	993·3	−2·7	281·0	288·2	23rd	271·1	267·6	2nd	276·1	−1·1	*275·6*	144	+37
1430		S.	W.															

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	994·2	995·1	+2·1	274·3	277·9	22nd	269·2	263·6	2nd	271·7	−0·6	271·7	10	−13
1528																		

DECEMBER—ZONE 16. Between Latitude 70° S. and 80° S.

1669	Cape Evans(McMurdo Sound)	S. 77 38 ° ′	E. 166 24 ° ′	18	..	988·4	−8·3	..	273·9	..	..	263·0	..	..	−0·4	268·7	..	..
1670				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—DECEMBER 1912.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
1	SE by E	8·7	SE 3	SE 1	NE 2	W 3	E 2	E 2	Calm 0	E 3	E 1	Calm	0
2	SE	8·4	SE 2	SE 3	N 2	W 2	E 3	E 1	NE 2	E 2	E 1	E	2
3	SE by S	9·8	SE 5	SE 4	N 2	W 2	E 3	E 4	N 1	ENE 4	Calm 0	NE	3
4	SE by S	10·4	SE 4	SE 3	N 2	W 2	E 4	E 2	NW 1	ENE 1	Calm 0	N	1
5	SE by S	10·0	SE 2	SE 1	N 2	W 3	E 2	E 2	NW 2	ENE 2	WSW 7	E	4
6	SE by S	9·4	E 2	E 2	N 2	W 2	E 1	E 2	Calm 0	WNW 5	WNW 3	NE	1
7	SE by S	13·3	SE 3	SE 2	N 2	W 2	E 2	E 2	E 1	W 9	WNW 8	NE	5
8	SE	11·8	SE 2	Calm 0	N 2	SW 2	E 2	Calm 0	Calm 0	W 5	WNW 5	N	0
9	SE by S	12·2	SE 4	SSE 1	NE 2	NE 4	NE 3	Calm 0	Calm 0	WSW 6	W 7	Calm	5
10	SE by S	11·9	SE 3	SE 4	NE 2	W 2	NE 2	E 1	ESE 1	WSW 7	W 7	SW	3
11	SE by S	9·3	ESE 5	SE 6	NE 2	Calm 0	NE 4	NE 3	Calm 0	ESE 1	Calm 0	S	1
12	SE	8·8	ESE 3	ENE 6	Calm 0	W 2	E 2	E 2	ESE 1	SW 3	SW 1	SE	3
13	SE by S	9·3	ESE 2	E 2	N 2	W 2	E 1	E 2	Calm 0	NNW 2	Calm 0	E	3
14	SE	6·1	ENE 4	ENE 7	NE 2	W 2	NE 3	E 3	Calm 0	W 2	Calm 0	E	3
15	SE	6·7	SE 4	E 4	NE 2	Calm 0	E 2	E 1	Calm 0	NW 1	Calm 0	E	2
16	SE by S	8·7	SE 3	SE 1	Calm 0	W 2	NE 4	NE 4	E 1	N 2	Calm 0	E	1
17	SE by S	11·7	SE 3	ESE 3	Calm 0	W 4	NE 6	E 5	Calm 0	WSW 2	W 2	E	3
18	SE by S	10·3	SE 3	ESE 2	N 2	Calm 0	E 5	E 6	Calm 0	NW 2	W 2	NE	2
19	SE by S	9·0	SE 3	ESE 3	NE 2	W 2	NE 5	NE 4	W 1	WSW 3	W 4	NE	3
20	SE by S	8·6	SE 4	SE 3	NE 2	SW 2	NE 4	E 3	NW 2	WNW 2	N 2	NE	3
21	SSE	10·5	SE 1	S 1	N 2	W 2	NE 3	E 1	NW 2	SSE 1	Calm 0	NE	3
22	SE	10·5	S 1	SE 2	N 3	W 2	NE 2	N 3	NW 1	WNW 3	N 1	N	3
23	SE by S	6·7	SE 3	SE 3	E 2	W 2	NE 4	NE 3	Calm 0	NW 4	Calm 0	E	3
24	SE by S	5·3	SE 4	SE 3	NE 2	W 2	E 3	NE 3	Calm 0	NNW 4	Calm 0	E	3
25	SE	7·3	SE 4	SE 3	N 2	W 2	E 2	E 3	Calm 0	NW 1	W 2	Calm	0
26	SE	10·4	SE 3	SE 1	N 2	W 3	E 5	E 3	NW 2	NW 2	Calm 0	NE	2
27	SE by S	9·8	SE 4	SE 3	N 3	W 3	NE 4	NE 4	Calm 0	E 1	Calm 0	N	2
28	SE by S	9·0	E 4	E 3	NE 4	W 2	NE 4	NE 3	Calm 0	E 3	W 4	N	2
29	SE	9·7	ESE 4	E 3	Calm 0	W 4	NE 4	NE 2	SE 1	E 2	Calm 0	Calm	0
30	SSE	9·2	SE 4	E 3	E 2	W 2	E 4	E 3	NE 1	S 2	Calm 0	E	3
31	SE	8·0	SE 3	E 2	N 2	W 2	E 2	E 1	NE 2	S 2	Calm 0	E	1
Mean for Month	..	9·4	3·2	2·8	1·9	2·1	3·1	2·6	0·7	2·9	1·8	..	2·2
Deviation from Normal	..	+1·3	..	..	..	..	−0·4		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1912.

**Spitsbergen.*—"The ice in the fiords was broken up by storms several times."

**Greenland Sea.*—"Off Angmagsalik the ice-belt grew broader, and at the end of the year the 'Storis' lay close to the coast and no open water was visible."

"The coasts of *Iceland* were ice-free."

North Atlantic and Labrador.—"In *Belle Isle Strait* there was a little ice-drift." *St. Lawrence Bay.*—"The navigation to Montreal closed on the 29th and to Quebec on the 13th."

**Davis Strait.*—"Owing to the mild winter the ice did not become thick. *Smith Sound* was probably open."

**Behring Sea.*—"The coast-ice formed a firm belt two miles broad, but outside this was only rather thin ice drifting west. The winter was extraordinarily mild."

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1912

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1912 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. YEAR—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1009·8	1010·7	..	..	..	..	..	..	..	261·9	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1007·2	1009·6	−0·8	..	..	..	263·6	235·5	Mar. 4	266·5	+2·3	..	237	+ 5
126																		
139	Spitsbergen	78 2	E 14 14	11·4	1010·5	1012·0	+0·6	..	282·9	July 22	258·4	228·7	Mar. 31	262·9	..	..	305	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1008·3	1009·2	+1·2	..	297·0	June 27	271·3	256·4	Feb. 3	..	−1·0	*273·8*	892	+251
142	Mehavn	71 1	27 47	6·4	1008·8	1009·7	..	..	293·7	July 13	270·6	255·0	Feb. 26	..	..	*273·2*	555	−203
143	Vardö	70 22	31 8	10·0	1009·1	1010·4	+1·3	..	292·2	July 13	270·2	256·2	Feb. 25	..	−1·0	*272·6*	585	− 36
144																		
147	Malye Karmakouly	72 23	52 43	14·8	..	?1011·2	+1·5	..	286·3	Aug. 5	..	232·0	Jan. 28	?264·1	−2·9	*?263·9*	..	..
148		N.	E.															

Between Latitude 70° N. and 60° N. YEAR—ZONE 2.

203	Nome	64 30	165 24	6·7	1004·6	1005·5	..	275·1	295·2	June, July	268·1	236·3	Feb.	271·6	..	..	341	..
204																		
205	Tanana	65 12	152 0	?	..	..	..	275·2	301·9	July	265·4	229·7	Dec.	270·3	..	..	316	..
206																		
207	Valdez	61 6	146 13	3	..	..	..	280·4	298·0	July	272·0	251·9	Dec.	276·2	..	..	1927	..
208	Eagle	64 46	141 12	248	..	..	..	277·4	301·9	July	263·9	223·6	Jan.	270·7	..	..	298	..
209	Dawson	64 4	139 20	321	..	..	..	..	..	..	..	..	..	..	..	..	..	..
210	Carcross	60 11	134 34	662	..	..	..	277·9	296·9	July	268·1	235·2	Jan.	272·9	..	..	212	..
211																		
212	Fort Simpson	61 52	120 43	129	998·9	1015·4	..	275·1	305·3	Aug. 18	264·2	227·2	Jan. 12	269·6	..	*270·0*	230	..
213					..	..	..	..	..	..	..	..	..	..	..	..	..	..
214	Hay River	60 51	115 20	161	993·6	1014·1	..	274·2	304·1	Aug. 19	263·6	227·3	Jan. 5	268·9	..	..	299	..
	Fort Resolution	61 0	113 0	240	..	..	..	..	..	..	..	..	..	..	..	..	..	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1006·2	1007·8	−1·1	273·0	291·6	June 30	266·2	242·9	Mar. 5, 6	269·6	+2·2	..	291	+ 75
229	Godthaab	64 11	51 44	9	1002·0	1003·2	−3·0	..	..	..	269·8	256·0	Jan. 1, 2	272·0	+1·0	..	324	−318
230	Angmagsalik	65 37	37 34	31·7	1004·3	1008·3	..	276·4	295·8	July 25	268·0	243·8	Feb. 8	272·2	..	..	1073	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1004·6	1005·9	−0·7	279·0	290·5	July 2	274·0	260·5	Feb. 3, 4, 8, Nov. 29	276·5	+0·7	..	626	+ 2
233	Vestmanno	63 26	20 15	7·7	1004·2	1005·2	−0·8	281·3	292·5	June 10	275·9	261·6	Nov. 28	278·6	+0·4	..	1395	+129
234	Grimsey (Akureyri)	66 33	17 58	6·8	1007·2	1008·1	+0·2	278·1	291·7	July 3	272·5	256·8	Feb. 8	275·3	+0·9	..	66	−308
235	Berufjord	64 40	14 19	18	1004·8	1007·0	−0·5	279·6	292·4	July 5	273·6	260·0	Feb. 8	276·6	+0·7	..	869	−246
236	Thorshavn	62 3	6 45	25·7	1004·8	1007·9	−0·8	281·4	290·0	Aug. 16	276·9	265·2	Nov. 28	279·2	−0·1	..	1171	−422
	Lerwick	60 9	W 1 8	18·0	1006·1	1008·3	−1·2	282·2	289·7	July 26, Aug. 14, 16	278·3	268·6	Nov. 29	280·2	+0·2	..	1196	..
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·8	1009·2	−1·9	..	299·3	July 12	277·8	259·3	Feb. 3	..	+0·4	*280·4*	1962	− 78
239	Christiansund	63 7	7 45	17·8	1006·3	1008·5	−1·4	..	298·6	Aug. 9	277·8	260·7	Feb 3	..	+0·8	*280·2*	1168	+ 37
240	Trondhjem	63 26	10 25	39·5	1004·6	1009·5	−0·9	..	299·6	July 13	275·3	249·1	Feb 3	..	+0·8	*278·5*	635	−327
241	Bodö	67 17	14 24	20·5	1006·6	1009·0	−0·1	..	299·0	Aug 10	274·0	254·4	Feb 2	..	−0·2	*276·9*	640	−335
242	Haparanda	65 50	24 9	9·2	1010·1	1011·3	+0·3	276·7	302·5	Aug 10	269·1	235·0	Feb 4, 5, 21	272·9	−0·5	..	630	+162
243	Helsingfors	60 10	24 57	11·7	..	1011·2	−1·5	..	300	Aug	..	244	Feb.	277·5	+0·2	*277·3*	773	+187
244	Kuopio	62 54	27 40	99·7	..	1012·3	..	..	303	Aug.	..	237	Feb.	275·3	−0·5	*275·1*	465	..
245																		
246	Kola	68 53	33 1	6·7	1010·8	1011·7	+2·1	274·6	301·3	Aug. 10	266·4	235·7	Feb. 5	270·5	−2·1	..	466	+268
247	Petrozavodsk	61 47	34 23	38·9	..	1013·1	−0·1	..	302	July	..	238	Jan.	275·2	−0·3	*275·0*	..	..
248	Arkhangelsk	64 33	40 32	6·7	..	1013·4	+1·8	..	303	Aug.	..	235	Feb.	272·2	−1·3	*271·9*	455	+ 67
	Velsk	61 5	42 7	? 87	1004·0	1015·0	..	..	305·4	June 23	269·4	233·1	Feb. 25	274·2	..	*274·0*	352	..
	Oust-Tsylma	65 27	52 10	? 25	..	1014·3	+2·0	..	306	June	..	226	Feb.	269·4	−1·3	*269·1*	..	..
	Troitsko-Petcherskoe	62 42	56 13	?123	1000·2	1015·9	..	..	305·6	June 23	265·1	227·5	Feb. 15	270·5	..	*270·2*	410	..
249																		
250	Berezov	63 56	65 4	39·7	1010·3	1015·4	+1·6	..	300·8	Aug. 2	262·8	229·7	Jan. 21	267·4	−1·4	*267·1*	360	+ 37
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	294·1	July 10	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1010·6	1015·7	+1·2	..	302·7	July 22	263·0	224·9	Jan. 21, 22	268·4	−1·6	*268·1*	440	..
253																		
254	Tourroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1009·8	1012·4	..	..	293·9	July 12	257·2	223·3	Jan. 23	261·4	..	*261·2*	330	..
261																		
262	Olekminsk	60 22	120 26	?202	998·0	1024·2	−2·8	..	304·1	July 29	259·5	220·6	Jan. 2	265·4	+0·1	*265·1*	235	..
263	Iakoutsk	62 1	129 43	?108	1002·7	1017·0	−0·7	..	303·0	Aug. 3	..	..	..	261·2	−1·2	*261·0*	202	− 5
264	Verkhoïansk	67 33	133 24	?100	998·8	1012·2	−1·2	..	301·5	June 16	250·2	211·0	Feb. 2	256·4	−0·2	*256·2*	232	+130
	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	..	..	..	..	Jan. 4	..	..	..	..	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
301		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
302		N.	W.															
303	Dutch Harbor	53 54	166 32	4·0	..	..	..	279·7	293·0	July, Aug.	274·5	263·0	Dec.	277·1	..	..	1772	..
304																		
305																		
306																		
307																		
308																		
309	Sitka	57 4	135 20	27	1007·9	1011·2	+2·1	284·2	299·1	July	276·8	264·1	Jan.	280·5	−0·6	..	2282	+ 40
310	Prince Rupert	54 18	130 18	52	..	1013·1	..	284·5	302·4	May 14	277·8	259·7	Jan. 10	281·2	..	..	2286	..
311	Barkerville	53 2	121 35	1274	..	1015·3	..	280·0	300·8	June 25	269·9	239·7	Jan. 10, 11	274·9	−0·3	*274·9*	770	−120
312	Kamloops	50 41	120 29	379	..	1015·0	−0·9	286·4	311·3	June 25	275·7	245·2	Jan. 2	281·1	−0·6	*281·0*	344	+ 80
313	Calgary	51 2	114 2	1033	..	1014·3	−0·6	..	305·2	June 26	..	238·6	Jan. 11	277·1	+1·1	*277·2*	543	+120
314	Fort Chipewyan	58 42	111 10	218	..	..	..	..	..	..	..	230·2	Jan. 10	..	..	..	..	..
315	Prince Albert	53 10	106 0	436	..	1014·5	+0·3	276·6	308·3	June	267·6	225·8	Jan. 11	273·6	+0·4	*273·8*	475	+ 57
316	Qu'Appelle	50 30	103 47	645	..	1014·8	−0·4	280·0	308·0	June 27	268·6	229·1	Jan. 11	274·3	0·0	*274·3*	459	−114
317	Minnedosa	50 15	99 50	518	..	1015·7	..	279·8	309·7	June 27	268·0	230·2	Jan. 10, 11	273·9	−0·2	*273·6*	436	− 14
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	279·1	Jan. 10	..	..	..	..	..
318*a*	York Factory	57 0	92 28	11	1013·9	1015·3	−0·1	..	299·1	Aug. 7	260·4	230·2	Jan. 3, 6, Feb. 9	265·7	−1·5	..	..	..
319	Fort Hope	51 32	87 48	..	982·6	..	..	276·3	308·0	June 24	264·2	229·7	Feb. 10	270·3	..	..	478	..
320	Moose Factory	51 16	80 56	9	1013·1	1014·3	..	277·0	308·6	July 7	264·5	226·9	Jan. 7	270·8	..	..	572	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
325	Davis Inlet	55 50	60 50	..	1002·6	..	..	275·2	297·4	June 2	266·4	234·7	Jan. 4, 5	270·8	..	..	..	..
326	Point Riche	50 42	57 25	10·7	..	..	..	..	..	..	..	248·6	Jan. 9	..	..	..	448	..
327	Belle Isle	51 55	55 20	133	992·2	1009·0	..	273·1	287·4	Aug. 11	268·0	244·1	Dec. 13	270·6	..	..	620	..
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1009·8	1011·5	−2·6	285·8	296·9	July 15	280·9	270·8	Feb. 2	283·3	−0·2	283·5	1442	+ 10
335	Aberdeen	57 10	2 6	27·4	1006·4	1009·8	−2·0	283·4	294·1	July 14	278·2	260·2	Dec. 2	280·8	−0·1	280·8	744	− 20
336	Greenwich	51 28	W 0 0	48·5	1007·7	1013·4	−1·0	287·7	305·2	July 12	279·3	265·8	Jan. 29	283·5	+0·5	283·3	633	..
337	Uccle	50 48	E 4 22	100	1002·4	1013·4	−2·3	287·0	306·0	July 13	278·9	258·3	Feb. 3	283·0	+0·4	*282·7*	941	+135
338	De Bilt	52 6	5 11	3·0	1013·5	1013·9	−0·2	286·5	304·5	July 14	278·4	253·0	Feb. 3	282·5	−0·3	282·3	1027	+ 93
338*a*	Hamburg	53 33	9 59	26·0	1010·6	1013·8	−0·8	284·7	302·0	July 12, 13	278·8	256·4	Feb. 5	281·8	+0·5	281·7	819	+ 57
339	Copenhagen	55 41	12 36	5·0	1012·2	1012·8	−1·0	283·0	298·0	July 18	278·1	257·0	Feb. 3	280·6	+0·3	..	614	..
340	Potsdam	52 23	13 4	84·9	1004·0	1014·3	−0·9	285·6	305·2	July 28	277·3	253·8	Feb. 5	281·5	−0·1	281·0	560	+ 26
340*a*	Upsala	59 51	17 38	24·0	1008·0	1011·0	−1·1	282·0	302·1	July 15	273·9	248·3	Jan. 27	278·0	+0·4	278·1	606	+ 68
341	Warsaw	52 15	21 1	120	1000·0	1014·8	−0·8	..	303·0	July 29	276·6	250·4	Jan. 29	280·3	+1·9	*280·1*	627	+ 45
342	Jurjev	58 23	26 43	74·5	1003·4	1012·7	−0·9	280·8	304·4	Aug. 9	273·5	247·7	Feb. 4	277·1	+2·9	*277·2*	547	..
343	Petrograd	59 56	30 16	4·8	..	1012·6	−0·7	..	305	Aug.	..	241	Feb.	276·9	+0·1	*276·8*	546	+ 65
344	Kiev	50 27	30 30	182·9	..	1015·2	−1·2	..	302	June, Aug.	..	251	Jan.	279·3	−0·7	*279·0*	623	+ 1
344*a*	Moscow	55 45	37 34	156	..	1015·5	−0·4	..	306	Aug.	..	243	Jan.	276·8	−0·3	*276·6*	535	+ 140
345	Saratov	51 32	46 3	59·9	..	1017·4	+1·1	..	311	June	..	244	Feb.	279·4	+0·5	*279·1*	526	+ 140
346	Kazan	55 47	49 8	79·8	1007·7	1017·9	+1·0	..	306·8	June 17, Aug. 7	..	243·2	Jan. 7, Feb. 26	276·6	+0·4	*276·5*	544	+ 68
347	Orenburg	51 45	55 6	114·1	..	1019·8	+0·5	..	308	July	..	240	Feb.	277·7	+1·1	*277·4*	453	+ 118
348	Perm	58 1	56 15	163·0	..	1017·0	..	..	306	June	..	236	Jan.	273·8	−0·7	*273·5*	593	..
349	Ekaterinburg	56 50	60 38	288·9	..	1018·6	+1·6	..	305	July	..	236	Dec.	273·5	−0·3	*273·2*	398	+ 18
350	Tobolsk	58 12	68 14	108·3	1004·4	1018·2	..	..	304·9	July 9	267·2	230·6	Jan. 22	271·9	−1·4	*271·6*	388	+ 210
351	Akmolinsk	51 12	71 23	?347	978·4	1021·2	−0·2	..	307·8	July 7	268·9	238·8	Mar. 5	274·8	+0·2	*274·5*	459	+ 57
352	Omsk	54 58	73 23	87·9	1008·2	1019·4	+0·6	..	307·2	July 27	267·2	233·5	Jan. 23	272·5	−1·1	*272·2*	260	+ 290
353	Barnaoul	53 20	83 47	162·2	1001·8	1022·3	+1·0	..	303·0	July 8	267·1	232·0	Mar. 10	273·0	−0·4	*272·7*	595	+ 139
354	Tomsk	56 30	84 58	121·6	1004·3	1019·9	+0·7	..	303·1	July 7	266·0	228·4	Jan. 23	271·1	−1·4	*270·8*	677	..
355	Minousinsk	53 43	91 41	?255	991·0	1023·2	..	..	306·6	July 12	265·8	228·3	Dec. 21	272·0	..	*271·7*	322	+ 58
356	Eniseisk	58 27	92 11	84·4	1008·0	1018·9	−0·4	..	304·2	July 8	264·3	225·1	Feb. 26	269·9	−1·4	*269·6*	474	+ 77
357	Irkutsk	52 16	104 19	467·0	963·4	1021·4	−0·2	..	301·7	July 13	264·8	231·4	Dec. 18	271·0	−1·6	*270·7*	420	..
358	Kirensk	57 47	108 7	?263	986·4	1019·7	..	..	308·5	July 19	262·7	221·2	Dec. 18	268·9	..	*268·6*	383	..
359	Tchita	52 2	113 30	673·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Blagoveshchensk Priisk	58 10	114 17	?490	..	..	..	..	308·3	July 18	259·6	224·6	Dec. 23	266·4	..	*266·1*	310	..
360*a*	Nertchinsk	51 59	116 35	484·3	956·6	1017·0	..	..	309·0	June 25	262·1	227·3	Dec. 21	268·9	−3·7	*268·7*	242	..
361	Tygan Ourkan	54 5	124 46	?370	969·8	1016·3	..	..	302·9	July 18, 23	260·2	224·7	Jan. 2	268·4	..	*268·2*	426	..
362	Blagoveshchensk	50 15	127 38	?160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	?168	..	..	..	..	303·1	July 6	261·2	225·4	Dec. 21	269·0	..	*268·8*	467	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·1	1011·8	−1·0	272·8	300·0	Aug.	262·0	234·3	Dec.	269·3	−1·6	*269·1*	440	− 10
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk	52 53	158 47	87·1	995·8	1006·7	−0·5	275·0	294·7	July	269·7	246·9	Dec.	272·4	−2·7	..	1101	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

YEAR—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
411		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
412	Victoria, B.C.	48 24	123 19	25·9	..	1016·4	+0·5	287·1	305·1	July 17	279·3	268·3	Jan. 1	283·2	+0·4	283·0	757	− 71
413	Portland, Oregon	45 32	122 41	46·6	1012·3	1017·6	−0·1	289·2	308·6	July 17	280·6	266·3	Jan. 8	284·9	+0·6	*284·6*	1104	− 43
414	Macleod	49 44	113 24	954	..	..	..	284·6	310·2	June 26	272·7	236·3	Jan. 10	278·7	+0·7	278·8	323	+ 19
414*a*	Helena	46 34	112 4	1253	873·6	1016·7	+0·4	284·8	307·4	June 26	273·8	245·2	Jan. 10	279·3	+0·1	*279·3*	373	+ 48
415	Salt Lake City	40 46	111 54	1331	867·7	1015·9	+0·3	288·7	307·4	July 17	278·3	258·6	Jan. 3	283·5	−0·5	*283·6*	487	+ 81
416	Cheyenne	41 8	104 48	1856	812·5	1016·3	+1·5	285·3	304·7	Aug. 26	272·6	250·2	Feb. 4	278·9	−1·3	*278·8*	470	+124
416*a*	North Platte	41 8	100 45	860	917·2	1017·6	+2·1	288·3	310·2	July 8	274·3	242·4	Jan. 12	281·3	−0·8	*281·1*	475	− 4
417	Bismarck	46 47	100 38	510·2	955·4	1017·0	+1·0	283·9	309·7	June 28	271·2	234·1	Jan. 12	277·6	+0·1	*277·5*	485	+ 37
418	Winnipeg	49 53	97 7	231·6	..	1016·0	−0·2	280·7	309·8	June 24	269·9	232·3	Jan. 11	275·3	+0·7	*274·4*	578	+ 49
419	Duluth	46 47	92 6	345·3	973·7	1015·9	−0·4	279·9	306·3	June 25	270·8	235·2	Jan. 7	275·4	−1·7	*275·4*	542	−219
420	Port Arthur	48 27	89 12	196·3	..	1015·8	−0·8	279·8	303·0	June 22	269·0	235·2	Jan. 7	274·4	−0·7	*274·3*	510	− 86
421	Chicago	41 53	87 37	250·9	986·6	1017·1	+0·3	286·0	308·0	Aug. 31	278·2	246·3	Jan. 7	282·1	−0·2	*282·0*	754	− 91
422	Toronto	43 40	79 24	106·7	..	1016·0	−0·6	284·7	306·7	Sept. 10	275·5	244·8	Feb. 10	280·1	−0·4	279·4	826	+ 29
423	New York	40 43	74 0	111·3	1005·1	1016·7	−0·4	288·1	306·9	June 29, July 8	279·8	253·6	Jan. 13	284·0	+0·1	284·3	978	−156
424	St. John, N.B.	45 17	66 4	21·3	..	1014·1	−1·1	281·8	298·3	July 2	274·4	248·2	Jan. 13	278·0	−0·4	277·9	1267	+121
425	S. W. Point, Anticosti	49 24	63 35	9	1009·6	..	..	277·1	294·7	July 8	270·2	244·7	Jan. 24	273·7	..	..	684	..
426	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	St. Johns, Newfoundland	47 34	52 42	38·1	..	1009·1	−3·7	281·6	303·0	July 11	273·4	251·3	Mar. 6	277·5	−0·3	..	1449	+ 13
435	Madrid	40 24	3 41	655·4	..	1018·3	+0·9	293·8	310·3	July 10	279·3	265·6	Jan. 31	286·6	−0·4	286·0	393	− 23
436	Nantes	47 15	W 1 34	41·4	..	1016·4	−0·9	288·3	305·1	June 22	280·3	267·3	Feb. 3, 4	284·3	−0·6	*284·0*	953	+223
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	..	1015·9	−0·6	288·3	306·7	July 12	279·0	263·0	Feb. 4	283·7	−1·5	281·5	609	+ 52
438	Marseilles	43 18	5 23	75·0	..	1015·9	+0·9	291·4	305·6	July 16	281·8	269·8	Feb. 4	286·6	−0·6	*286·2*	628	+ 46
438*a*	Zürich	..	..	..	959·3	1018·4	−0·1	..	303·0	May 12	..	261·6	Feb. 4	281·4	−0·1	..	1153	+ 6
439	Rome	47 23	8 33	493·2	..	1015·4	..	292·7	306	July 15	284·1	271	Jan. 9	288·3	−0·2	..	622	−199
440	Vienna	41 54	12 29	63·4	..	1015·6	−1·0	284·9	301·8	May 12	278·4	258·0	Jan. 18	281·7	−0·5	*281·6*	1209	+586
440*a*	Buda-Pesth	48 15	16 22	202·5	991·0	1016·3	−0·4	287·2	306·3	July 29	278·3	256·6	Jan. 15	282·8	−0·1	..	693	+ 36
441	Bucharest	47 30	19 2	129·6	1000·4	1016·0	−0·6	..	309·2	Aug. 8	..	251·0	Jan. 16	283·2	−0·3	..	705	+126
442		45 25	26 6	82	1006·1	1016·0	−0·6	..	..	..	..	..	..	..	..	..	..	..
443	Odessa (University)	46 29	30 46	65·3	1008·4	1016·5	−0·3	285·3	304·1	Aug. 6	279·0	255·1	Jan. 18	282·1	−1·1	*282·0*	624	+219
444	Kharkov (University)	50 0	36 14	140	..	1017·1	+0·8	..	305	Aug.	..	246	Jan.	278·8	−1·0	*278·5*	709	+224
444*a*	Novorossiisk	..	..	..	..	1015·9	..	..	301	June, Aug.	..	259	Jan.	285·2	−0·6	*284·9*	1018	+323
445	Tiflis	44 40	37 49	37	..	1017·4	+0·3	..	308	Aug.	..	262	Jan.	286·1	+0·3	*285·9*	456	− 39
446	Astrakhan	41 43	44 48	409	..	1018·3	+0·3	..	308	June	..	249	Feb.	282·6	−0·1	*282·3*	208	+ 58
447	Fort Alexandrovsk	46 21	48 2	−14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		40 0	52 59	−15	..	1016·4	..	..	310	June, Aug.	..	266	Jan.	288·9	+0·2	*288·7*	..	..
449	Tachkent	41 20	69 18	478·3	960·8	1017·0	−0·4	293·9	315·6	July 7	280·0	260·7	Dec. 25	287·0	+0·2	*286·4*	282	− 52
450	Irgiz	48 37	61 16	112	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	305·5	June 13	271·1	242·8	Jan. 5	278·3	+2·8	*278·0*	234	..
452	Vernyi	43 16	76 53	? 835	921·9	1020·0	+2·0	287·7	308·9	July 29	..	..	..	281·4	+0·5	*281·1*	498	− 48
461	Mukden	41 48	123 23	43·8	1011·2	1016·7	+0·4	285·6	308·6	Aug. 5	273·7	246·9	Dec. 28	279·7	−0·3	279·4	640	+ 45
462	Joshin	40 40	129 11	4·0	1014·6	1015·1	+0·4	285·4	304·2	Aug. 12	276·3	253·4	Dec. 24	280·9	−0·2	280·4	686	+ 31
463	Vladivostok	43 7	131 54	26·8	1012·4	1015·7	−1·0	281·1	303·3	July	273·6	248·3	Dec.	277·4	−0·6	*277·3*	781	..
464																		
465	Ochiai	47 20	142 44	15·0	1011·0	1012·8	..	279·2	300·8	Aug. 6	267·4	233·8	Jan. 29	273·3	..	273·5	771	..
466	Nemuro	43 20	145 35	26·7	1009·5	1012·8	+0·2	281·5	299·4	Aug. 10	273·6	258·1	Jan. 3	277·5	−1·0	277·5	969	+ 64
		N.	E.															

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
511		N.	W.															
512	San Francisco	37 48	122 26	47·2	1011·8	1017·6	+0·9	290·0	307·4	Sept. 18	283·3	277·4	Jan. 3	286·7	+1·0	*286·1*	397	−218
	San Luis Obispo	35 18	120 39	61·3	1010·2	1017·6	+1·1	293·3	307·4	various	281·0	271·9	Dec. 7	287·2	+0·2	*286·8*	353	−194
513																		
514	Modena																	
515	San Diego	37 48	113 54	1670	833·7	1015·4	+1·1	288·7	306·3	Aug. 23	272·7	246·3	Jan. 2	280·7	−1·5	*280·7*	256	− 37
516	Santa Fé	32 43	117 10	26·5	1012·6	1015·7	+0·5	292·4	307·4	Oct. 13	285·2	276·9	Dec. 31	288·8	−0·1	*288·6*	268	+ 1
517	Denver	35 41	105 57	2138	787·7	1014·9	+1·3	287·7	303·6	July 10, Aug. 26	275·0	257·4	Jan. 2	281·3	−1·1	*281·1*	261	−107
518	Abilene	39 45	105 0	1613	837·1	1016·2	+1·6	288·6	307·4	Aug. 26	274·8	250·8	Feb. 29	281·7	−1·2	*281·6*	481	+124
	Saint Louis	32 23	99 40	529·7	955·4	1016·3	+1·1	296·8	314·1	June 15, July 30	283·7	256·3	Jan. 12	290·3	+0·1	*290·1*	393	−235
519		38 38	90 12	172·8	996·6	1017·3	+0·1	290·0	308·6	July 24	280·9	247·4	Jan. 7	285·4	−0·8	*285·2*	1132	+187
520	Mobile																	
521	Nashville	30 41	88 2	17·4	1015·7	1017·8	+0·2	296·6	309·7	July 26	287·8	268·0	Jan. 13	292·2	+0·3	*291·8*	2282	+706
522	Charleston	36 10	86 47	166·4	999·1	1019·1	+1·1	292·6	308·0	Sept. 8	281·9	251·9	Jan. 7	287·3	−0·9	*287·1*	1360	+128
523	Washington	32 47	79 56	14·6	1016·6	1018·3	+0·2	295·4	310·8	Sept. 1	287·8	266·3	Jan. 13	291·6	−0·1	*291·3*	1304	− 19
524		38 54	77 3	34·1	1013·5	1017·6	−0·3	290·7	307·4	July 14, Sept. 11	280·3	248·0	Jan. 14	285·5	−0·2	*285·4*	1120	+ 15
	Bermuda	32 17	64 46	46·0	..	1019·9	+1·1	296·9	303·7	June 26	291·0	282·6	Feb. 15	293·9	+0·1	..	1303	−257
531																		
532	Horta																	
533	Ponta Delgada	38 32	28 38	30	..	1020·3	−1·2	293·0	301	July 31, Aug. 2, 6, 28	288·9	281	various	290·9	−0·1	..	841	−316
534	Madeira (Funchal)	37 44	25 40	17	..	1020·6	+0·4	292·3	302	June 30	288·0	281	Feb. 4, 18, Dec. 20, 21	290·1	−0·2	..	630	−200
535	Lisbon	32 37	16 54	25	1017·3	1020·3	..	294·0	304·2	May 9	285·0	278·4	Jan. 22	289·5	..	..	678	− 6
536	Casablanca	38 43	9 9	95·4	1006·9	1018·4	+0·6	292·3	307·6	May 10	285·6	276·5	Dec. 27	288·9	−0·1	*288·6*	606	−150
	Gibraltar	33 37	7 35	17	1016·2	1018·6	..	..	..	..	..	..	Dec.	290·8	+0·5	..	306	−117
		36 6	5 21	16	1015·0	1016·9	+0·6	294·7	305·8	Aug. 13	286·7	278·6	Nov. 16	290·7	−0·6	..	761	−144
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

YEAR—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	..	1017·8	+2·1	295·1	312·2	May 14	287·8	277·7	Jan. 31	291·5	−0·6	..	535	−162
538	Palma	39 33	2 42	..	..	1017·9	+1·4	294·0	308	Aug. 26	286·2	277	Feb. 1	290·1	..	..	352	..
538a	Tunis	36 48	10 10	43	..	1019·9	+3·7	295·8	317·0	July 3	285·7	275·0	Dec. 17	290·7	−0·3	..	362	−70
539	Malta	35 54	14 31	59	..	1018·0	+1·6	293·9	308	July 5, 6	288·8	281	Jan. 2, 3	291·3	−0·3	..	445	−5
540	Catania	37 30	15 3	64·9	..	1016·3	+0·8	294·4	314·2	July 5	286·9	276·2	Jan. 2, 3	290·7	+0·1	..	658	+20
541	Athens	37 58	23 43	107·1	..	1015·7	+0·5	294·4	312	July 4	286·7	272	Jan. 2, 3, 10	290·5	−0·2	*290·2*	477	+77
542	Alexandria	31 9	29 54	32·0	..	1016·1	+1·1	297·6	313	Oct. 3	290·1	280	Jan. 16, Feb. 18, 19	293·8	−0·1	*293·2*	93	−131
543	Cairo (Helwan)	29 52	31 20	115·6	..	1015·9	+0·8	300·6	313	sev. dates	287·8	277	Jan. 12	294·2	−0·1	294·0	26	−10
544	Nicosia	35 12	33 24	22·1	..	1012·8	−0·7	299·4	312	sev. dates	282·9	272	Jan. 25, Dec. 24, 25, 26	291·2	−0·5	..	307	−69
544a	Beirut	33 54	35 28	52·4	..	1013·8	+0·8	296·1	309	July 10	289·7	280	Jan. 21	292·9	−0·7	..	1056	+147
545	Baghdad	33 21	44 28	38·7	1007·8	1012·4	0·0	303·9	320·3	Aug. 14	288·6	270·3	Dec. 25	296·2	+0·9	..	96	−81
546	Lenkoran	38 46	48 52	−19	1019·1	1016·7	−0·4	..	306·0	July 26	284·0	267·9	Jan. 23	287·7	+0·5	*287·5*	915	−270
547	Busrah	30 31	47 53	7·6	1010·6	1011·7	..	302·8	320·2	Aug. 18	292·3	274·7	Dec. 28	297·6	+0·9	..	120	−38
548	Meshed	36 16	59 35	946	906·5	1013·0	..	294·4	313·7	July 9	278·9	250·8	Jan. 22	286·7	+0·2	..	229	−9
549	Quetta	30 11	67 3	1677	833·1	..	+0·7	296·2	310·3	July	279·4	265·6	Nov. 24, 27, 28	287·8	−0·2	*287·6*	257	+3
550																		
551	Lahore	31 34	74 20	214	984·7	1009·3	+0·4	305·3	321·0	June 19	290·3	275·9	Dec. 22, 23	297·8	+0·5	*297·2*	373	−127
551a	Simla	31 7	77 8	2204·3	781·1	..	+0·8	289·2	300·8	May 18	283·1	271·9	Jan. 15	286·1	+0·2	*285·9*	1490	−113
552	Leh	34 10	77 42	3506	666·5	..	+0·3	286·1	302·4	July 16, 31	271·2	254·1	sev. dates	278·7	−0·3	*277·8*	80	−3
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	1594	−571
559	Hang Kow	30 35	114 17	37·0	1012·8	1017·2	+0·2	294·2	311·0	Aug. 2	286·3	269·6	Jan. 30	290·3	+0·2	..	1266	−106
560	Tiensin	39 10	117 10	5·0	1017·1	1017·7	+0·3	289·8	312·2	June 17	280·4	258·4	Dec. 23	285·1	−0·5	..	687	+199
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·6	+0·1	293·8	310·5	July 29	284·3	265·0	Dec. 29	289·0	+0·4	288·1	1321	+197
562	Chemulpo	37 29	126 32	67·6	1008·8	1017·1	+1·1	287·6	306·9	Aug. 5	279·9	257·0	Dec. 24	283·8	−1·3	283·3	899	+15
562a	Nagasaki	32 44	129 52	133·0	999·8	1015·7	+0·2	292·1	305·5	Aug. 4	284·8	271·4	Dec. 25	288·4	−0·7	288·3	1982	−11
563	Kioto	35 1	135 46	49·4	1009·5	1015·4	0·0	293·5	308·9	Aug. 22	281·1	266·1	Dec. 25	287·3	+0·3	286·8	1448	−148
564	Tokio	35 41	138 45	21·3	1011·5	1014·0	−0·2	291·6	307·5	Sept. 2	282·9	267·8	Jan. 17	287·3	+0·2	286·9	1734	+243
565	Miyako	39 38	141 59	30·4	1010·2	1013·9	−0·1	288·6	305·6	Aug. 18	278·4	262·2	Jan. 28	283·5	−0·2	282·7	1461	+488
566																		
		N.	E.															

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·1	1017·4	+2·0	299·4	303·6	Aug.	293·9	288·6	Feb.	296·7	−0·1	..	374	−52[illegible]
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	289·6	298·0	June 16	280·7	268·0	Jan. 30, Feb. 21	285·2	..	..	578	..
616	Leon	21 7	101 41	1798·6	824·4	..	+1·2	298·4	307·5	May 12	284·5	272·2	Jan. 31	291·8	+0·4	..	914	+238
617	Galveston	29 18	94 50	16·5	1015·4	1017·5	+0·9	295·9	307·4	Sept.	290·4	266·3	Jan.	293·2	−0·5	*293·1*	839	−357
618	New Orleans	29 58	90 4	15·5	1015·7	1017·5	+0·4	297·3	309·7	Sept.	289·2	268·0	Jan.	293·2	+0·1	*292·8*	2070	+606
619	Havana	23 8	82 22	24·3	..	1016·6	−0·1	301·5	305·9	Aug. 7, Sept. 12	295·1	285·8	Feb. 9	298·3	+0·8	298·5	1235	+79
620	Key West	24 33	81 48	6·7	1015·8	1016·5	0·0	300·7	305·8	Sept.	295·7	284·7	Feb.	298·2	+0·3	*298·1*	1104	+122
621	Nassau, Bahamas	25 5	77 21	7·6	..	1018·6	+1·5	301·4	306·1	July 29	295·7	286·9	Feb. 2	298·5	+0·7	..	911	−513
622																		
633	Puerto de Orotava	28 25	16 32	?100	..	..	..	..	..	..	..	..	..	..	..	..	558	..
634	Las Palmas, Canary Islands	28 1	W 15 26	9	..	..	..	297·2	312·8	May 9	290·1	284·2	Dec. 22	293·7	+0·5	..	243	+30
637	Insalah	27 17	E 2 27	330	..	..	..	..	323·9	July 22	..	..	..	..	..	..	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1018·1	+1·3	305·9	320	May 27	286·5	273	Jan. 13, 15	296·2	..	*297·0*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1012·8	+0·7	307·0	320	May 27, 28	288·0	274	Jan. 9, 11, 17	297·5	−1·1	*297·8*	..	..
643	Suez	29 57	32 32	3·4	..	1015·7	+1·8	302·8	317	July 10	287·9	277	Dec. 26, 27, 28	295·4	+0·4	..	5	−23
644	Aswan	24 2	32 53	99·6	..	1013·9	+0·7	307·2	320	May 27	290·8	279	sev. dates	299·0	−0·4	*299·7*	..	..
647	Bushire	28 59	50 53	4	1010·0	1010·6	+0·2	300·4	311·8	May 24	293·1	277·2	Dec. 27	296·8	−0·3	..	136	−145
648	Jask	25 44	57 47	4	1009·5	1010·0	−0·2	303·7	315·1	June 17	295·8	284·8	Jan.	299·7	+0·1	..	121	+15
649	Kurrachee	24 53	66 57	4	1009·7	1010·1	+0·4	302·6	312·2	May 8	295·3	285·8	Dec. 7, 20	298·9	+0·7	*298·3*	81	−117
650	Hyderabad, Sind	25 24	68 18	29	1005·8	1008·1	+0·3	307·6	322·2	May 14	293·4	280·2	Nov. 30	300·6	+0·4	..	137	−44
651	Jaipur	26 56	75 52	436	961·0	1009·9	+0·3	305·9	319·8	May 16, 17	291·9	277·5	Dec. 20	298·9	+0·2	*298·2*	806	+195
652	Nagpur	21 8	79 5	310	975·2	1010·0	+0·6	306·7	320·6	May 15	293·7	279·8	Nov. 30	300·2	+0·3	*299·7*	1328	+79
653	Allahabad	25 25	81 51	91	998·6	1009·3	+0·4	305·6	319·4	June 17	292·1	277·7	Jan. 15	298·8	+0·1	*298·1*	722	−271
654	Calcutta	22 36	88 23	6	1008·6	1009·3	+0·3	303·9	311·9	May 7	294·7	284·1	Jan. 1	299·3	+0·4	*299·0*	1443	−127
655	Gauhati	26 8	91 41	59	1004·3	1011·3	..	301·8	308·4	Aug. 2, 8	291·9	281·4	Jan.	296·9	..	..	1904	+307
655a	Cherrapunji	25 15	91 42	1313	868·2	..	..	293·2	300·1	Aug. 2	286·8	273·6	Mar. 27	290·1	..	..	9852	−560
656	Shillong	25 33	91 48	1500	849·2	..	..	293·9	299·6	July 29	284·8	273·4	Jan. 17	289·3	..	..	2359	+208
656a	Akyab	20 11	92 56	6	1009·9	1010·6	+0·4	302·8	310·2	Apr. 29	295·2	285·5	Jan. 18	299·1	−0·2	*298·9*	5992	+1129
657	Phu Lien	20 48	106 37	115·6	998·4	1011·9	+0·7	299·7	311·5	June 24	293·3	280·8	Dec. 28	296·5	−0·3	296·0	1816	+64
658	Moncay	21 31	107 51	10	1010·9	1012·1	+0·6	299·6	309·0	July 23	292·2	277·2	Dec. 28	295·9	−0·2	..	2993	+312
659																		
660	Hong Kong	22 18	114 10	33·2	..	1012·7	+0·1	..	306·6	Sept. 10	..	280·4	Dec. 28	..	+0·1	295·2	1624	−521
661	Taihoku, Formosa	25 2	121 31	9·3	1012·8	1013·9	+0·1	298·7	308·8	July 2	291·5	281·2	Jan. 30	295·1	0·0	294·6	2570	+630
662	Naha	26 13	127 41	10·5	1012·7	1014·0	+0·1	298·7	307·2	Aug. 3	292·5	282·5	Feb. 5	295·6	+0·2	295·4	2113	−37
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlan	19 38	103 37	1529	845·4	..	..	299·4	308·0	May 4	287·5	275·3	Jan. 17	293·5	..	..	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	..	..	..	..	..	..	..	..	..	..
717	Salina Cruz	16 12	95 16	56·3	1006·4	1012·9	..	..	..	..	..	..	..	299·8	..	..	762	..
718	Mexico	19 26	99 8	2280	780·5	..	+0·7	295·3	303·4	Apr. 22	282·7	271·6	Feb. 6	289·0	−0·1	288·6	597	+23
718a	Oaxaca	17 4	96 44	1563	847·1	..	..	301·2	309·4	May 10	285·5	275·2	Jan. 8, 16	293·3	..	..	391	..
719	Belize	19 29	88 12	1·9	..	..	..	302·8	306·9	Sept. 20	297·3	288·0	Feb. 1	300·1	..	..	2475	+468
720	San Salvador	13 44	89 9	657	938·6	1012·0	+1·1	304·1	309·5	May 9	290·6	283·6	Feb. 18, 19	297·4	+0·6	..	479	−257
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·8	+0·7	303·0	306·8	Oct. 20	294·7	289·0	Feb. 9	298·9	0·0	*298·4*	1931	+553
722	Port au Prince	18 34	72 22	37·4	1010·4	1014·7	+2·8	305·6	310·4	Aug. 1	294·9	291·0	Feb. 27	300·3	..	299·5	1483	+155
723	St. Croix (Christiansted)	17 45	64 42	6·6	1013·0	1013·7	..	302·4	305·9	Oct.	297·3	293·0	Jan.	299·9	..	..	1031	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	954·9	1012·8	+0·2	301·9	305·2	Sept. 24, Nov. 2	296·9	294·1	Feb. 15	299·4	+0·5	..	1625	−309
725	Barbados	13 8	59 36	55·2	..	1011·9	..	302·1	305·3	Sept. 28	297·3	291·0	Apr. 3	299·7	+0·2	*299·5*	884	−459
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1013·9	1015·1	+1·1	298·3	303·0	Sept. 3	294·5	288·5	Dec. 16	296·4	−0·4	..	109	−106
732	San Tiago, C. Verde Is.	14 54	23 31	34	1012·2	1016·2	..	300·0	304·8	Nov. 3	295·3	292·0	Feb. 1, 13	297·7	..	..	188	..
733	Bathurst	13 24	16 36	5	1012·3	1012·9	0·0	302·3	313·0	Mar. 2	294·6	287·4	Dec. 13	298·5	+0·1	..	863	−370
734	M'Carthy Island	13 42	14 46	3·5	..	..	..	310·1	319·1	May 6, 16	290·9	283·0	Dec. 9	300·5	..	..	359	..
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	..	284·5	Jan. 11	..	..	..	..	..
736	Timbouctoo	16 43	W 2 52	250	..	1009·9	−0·4	311·8	321·0	May	292·9	280·4	Dec.	302·4	+0·2	*301·9*	128	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·4	314·1	April, May	295·2	286·3	Dec. 18, 30	300·8	+0·2	..	587	+16
738	Kontagora	10 24	5 24	400	..	..	..	308·3	319·1	Apr. 6, 15	293·6	284·7	Nov. 30	301·0	+1·2	..	834	−424
739	Maiduguri	11 48	13 12	370	..	..	..	309·3	318·6	Apr. 15	292·7	279·7	Dec. 27	301·0	..	..	391	−172
740	Katagum	12 17	10 22	30·7	..	..	..	309·6	319·1	May 26	291·9	280·2	Dec. 19	300·8	..	..	521	+16
742	Kadugli	11 2	29 45	503	..	..	..	308·4	317·5	Apr. 26	290·5	283·0	Dec. 18, 21	299·4	..	..	872	..
743	El Obeid	13 11	30 14	585	..	1013·0	+0·1	307·3	316	May 1, 3	290·8	279	Feb. 20	299·1	−0·1	*299·5*	365	−20
744	Khartoum	15 37	32 33	390	..	1011·1	+1·1	309·6	320	May 29	294·5	282	Feb. 20	302·1	+0·1	*302·4*	116	+5
746	Aden	12 45	45 3	28·7	1008·4	1011·6	+0·7	303·8	309·7	June 14, 16	298·5	292·7	Jan. 17	301·2	−0·2	*300·7*	48	−19
751	Bombay	18 54	72 49	11·3	1009·6	1010·8	0·0	303·7	308·3	June 12	297·3	291·1	Jan. 12	300·5	+0·7	*299·9*	1373	−453
752	Mysore	12 18	76 40	768	926·9	1011·4	+0·2	303·1	309·7	Mar. 29	291·9	284·7	Jan. 7, 8	297·5	+0·1	*296·7*	720	−75
752a	Kodaikanal	10 13	77 28	2343	771·2	..	0·0	291·7	298·6	May 24	283·8	277·7	Jan. 7	287·8	+0·3	287·0	1657	+91
753	Madras	13 4	80 14	6·7	1009·9	1010·6	+0·1	306·3	317·2	May 20	297·2	288·8	Jan. 4	301·7	+0·5	301·0	1186	−71
754	Waltair	17 45	83 16	68·9	1002·4	1010·1	+0·6	303·4	311·9	June 17	297·1	289·3	Dec. 17	300·3	..	*299·7*	824	−122
755	Port Blair	11 40	92 40	17·7	1008·7	1010·7	+0·2	303·2	308·7	Apr. 1	297·8	292·7	Oct. 27	300·5	−0·4	*299·9*	2934	−75
756	Rangoon	16 46	95 48	5·5	1010·5	1011·3	+0·3	304·7	311·9	Apr., May	295·9	288·6	Dec. 19	300·3	0·0	*299·2*	2526	+46
757	Saigon	10 46	106 42	11·2	..	1009·9	+0·7	306·9	313·0	Apr. 29	295·9	291·4	Nov. 24	301·4	+0·6	..	1696	−426
758	Nhatrang	12 16	109 12	6·8	..	1010·2	+0·6	304·7	312·5	June 21	295·9	289·7	Dec. 23	300·3	+0·2	..	1207	−253
759	Bolinao	16 24	119 53	9·7	..	1009·3	..	..	309·2	Apr. 21	..	291·6	Feb. 4, 5, Dec. 8	..	..	300·2	2422	−473
760	Vigan	17 34	120 23	14·7	..	1009·5	..	..	308·8	June 1	..	290·7	Feb. 4	..	..	300·0	2727	−95
761	Manila	14 35	120 59	14·2	..	1009·9	+0·1	305·5	311·3	May 19	295·4	288·8	Jan. 23	300·5	−0·1	299·6	1929	−1
762	Ormoc	11 0	124 36	5·6	..	1009·6	..	..	307·6	May 3	..	290·2	Jan. 22	..	..	299·4	2277	+26
765	Guam, Ladrone Is.	18 24	144 38	20·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															

YEAR—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	..	..	..	304·9	308·8	May 23	297·9	293·4	Sept. 22	301·4	+0·3	*300·1*	3660	+867
819	Culebra	9 10	79 40	123·1	..	1010·7	−0·1	303·6	308·6	May 5	295·2	291·3	Feb. 2	299·4	+0·3	..	2006	−271
822	Caracas	10 31	66 56	?	898·4	..	..	298·8	304·0	May	288·8	..	..	293·8	..	..	636	..
823	El Peru, Guayanavieja	7 30	62 0	?300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·0	1013·2	+0·9	303·3	305·1	Apr. 9	297·1	293·0	Jan. 8	300·2	+0·5	..	1773	−636
826	Paramaribo	5 49	55 9	4	1013·3	1013·7	..	303·3	306·6	Oct. 5	295·5	290·6	Jan. 5, Feb. 17	299·4	..	*298·8*	1963	..
826a	Cayenne	4 56	52 21	6	..	..	..	303·8	307·6	Aug. 29	296·5	292·8	Aug. 23	300·1	+0·3	..	1954	−2056
833	Conakry	9 31	13 43	16	1010·0	1011·8	+0·4	304·6	311·2	May	296·4	291·9	Oct.	300·5	+0·7	..	>4944	..
834	Sierra Leone	8 30	13 9	68·3	..	..	..	304·6	310·3	Apr. 13	296·1	292·6	June 9	300·4	+0·2	..	3304	−819
835	Cape Coast Castle	5 5	1 13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
836	Accra	5 35	W 0 6	18	..	..	..	302·8	..	..	295·6	..	..	299·2	0·0	..	521	−155
837	Lagos	6 22	E 3 28	7·6	..	1011·6	+0·2	303·6	309·7	Nov.	297·1	293·6	June	300·3	+0·6	..	1029	−778
838	Zungeru	9 48	6 10	130	..	1011·7	0·0	307·3	314·7	Apr. 3	294·2	285·8	Feb. 10	300·8	+0·4	..	760	−385
838a	Libreville	0 23	9 26	35	..	..	..	303·8	307·4	Apr. 22	295·2	292·2	Nov. 22	299·5	+0·6	..	3081	+519
839	Yola	9 12	12 30	259	..	..	..	307·3	314·7	Mar. 23, Apr. 3	295·9	288·6	Dec. 19	301·6	+0·9	..	989	+5
841	Kafia Kingi	9 22	24 18	596	947·2	1014·4	..	..	..	..	..	..	..	..	..	..	931	..
842	Wau	7 42	28 3	440	..	1011·3	+0·5	..	..	..	293·4	284	Feb. 28	..	..	..	879	−162
843	Entebbe	0 5	32 29	1177	883·4	..	+0·5	299·2	302·8	Jan. 25	290·2	286·3	Sept. 21, 23, 25	294·7	+0·4	..	1923	+441
844	Nandi	0 2	35 5	2010	..	..	..	298·6	311·3	Jan. 28	283·7	280·8	sev. dates	291·1	..	..	1756	..
845	Harrar	9 42	42 30	1856	..	..	..	298·8	302	sev. dates	286·8	280	Dec. 27, 30	292·8	..	..	740	..
851	Cothin	10 0	76 21	2·7	1011·2	1011·5	+0·1	303·9	307·3	Mar., Apr.	296·9	292·0	Jan. 8	300·4	+0·1	*299·8*	3690	+799
852	Colombo Observatory	6 54	79 53	7·3	1009·0	1009·8	+0·6	304·1	309·1	Mar. 9	296·4	289·4	Jan. 7	300·2	+0·2	*299·6*	2569	−382
853	Candy	7 18	80 40	504·5	..	..	..	301·9	306·9	Mar. 18	293·6	287·0	Jan. 8	297·8	+0·2	..	1928	−163
855	Medan	3 35	98 41	23·5	..	1009·7	−0·7	..	..	..	..	..	..	..	..	..	1792	−237
856	Kota Radja	5 32	95 20	7·1	..	1010·8	..	..	..	..	..	..	..	..	..	..	1797	+124
857	Penang	5 34	100 20	5·0	1007·6	1008·2	−0·8	305·2	308·0	sev. dates	296·3	293·0	Jan. 30	300·8	+0·2	..	2414	−289
858	Singapore	1 17	103 51	2·2	1009·7	1009·9	0·0	304·2	306·9	Mar. 3	296·8	294·4	Feb. 5, Nov. 29	300·5	+0·3	..	2602	+214
860	Sandakan	5 49	118 12	..	..	..	..	306·8	305·8	sev. dates	293·9	295·2	Jan. 13	300·4	+0·2	..	2057	−1140
861	Tagbilaran	9 38	123 51	26·2	..	1009·3	..	..	308·6	June 9	..	..	..	..	..	299·7	1754	−181
862	Surigao	9 48	125 29	6	..	1009·0	..	..	..	..	..	..	..	..	..	..	2435	−699
863	Yap	9 29	138 8	31·9	..	1008·1	..	..	..	..	..	..	..	..	..	..	..	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	1305	−653
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
905	Malden Island	3 59	155 0	7·9	..	..	..	306·8	308·6	June 16, 23	296·2	293·6	Feb. 9, 11, 12	301·5	+0·2	..	1001	+ 39[illegible]
906																		
923	Manaos	3 8	59 59	32·4	1002·6	1006·3	−1·8	..	..	..	..	..	..	301·2	−0·2	..	1416	− 19[illegible]
930	Fernando Noronha	3 51	W32 25	95	1000·9	1011·9	..	..	302·3	Nov.	..	293·0	May	298·6	..	*298·6*	2095	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	311·0	Apr. 11	..	286·5	July 29	..	..	..	..	..
940	Loango	4 38	11 50	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Daressalam	6 49	39 18	7·6	1012·8	1013·6	..	301·9	305·2	Mar. 21	295·0	289·6	June 27	298·5	..	298·2	933	+ 49[illegible]
944	Nairobi	1 18	36 59	1660	..	..	..	296·0	301·6	Feb. 17	284·2	277·9	Feb. 16	290·1	..	..	1419	+ 6[illegible]
944a	Zanzibar	6 10	39 11	21·9	1013·4	1015·9	+0·3	302·0	305·6	Feb. 6, 20	297·7	293·7	Aug. 13	299·8	+0·2	..	1677	[illegible]
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·1	306·9	Feb. 23	295·9	290·2	June 12	299·0	..	..	446	..
947	Seychelles	4 37	55 27	4·6	..	1011·9	0·0	301·7	304·3	Apr.	298·3	295·5	Sept.	300·0	+0·7	*299·3*	2652	..
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·8	−0·3	..	..	..	..	..	..	..	..	..	4701	+ 20[illegible]
957	Batavia	6 11	106 50	8	1009·4	1010·3	−0·3	303·4	307·6	Sept. 22	296·6	294·1	July 17	300·0	+0·4	299·5	1721	− 7[illegible]
958	Pontianak	0 1	109 20	2·6	..	1010·5	+1·1	..	..	..	..	..	..	..	..	..	3818	+ 62[illegible]
959	Passeroean	7 38	112 55	5·0	..	1010·1	+0·2	304·4	307·0	Oct.	295·7	291·0	July	300·1	..	*300·2*	981	− 29[illegible]
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	..	..
961	Koepang	10 10	123 34	3·3	..	1010·6	..	..	..	..	..	..	..	..	..	..	1511	+ 2[illegible]
962	Ambon	3 42	128 10	4·2	..	1010·3	+0·9	..	..	..	..	..	..	..	..	..	3013	− 80[illegible]
965	Daru	9 4	143 13	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39	..	1011·1	+0·8	..	..	..	..	..	..	..	..	..	1149	+ 8[illegible]
967																		
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	4596	− 50[illegible]
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·7	1008·0	−0·4	304·1	307·4	sev. dates	297·4	294·1	Jan. 21	300·8	+0·6	..	2295	− 71[illegible]
970	Ocean Island	0 52	169 36	27·8	..	1007·8	−0·4	304·2	308·0	Jan. 10	297·4	294·4	Dec. 18	300·8	−0·1	..	3419	+ 39[illegible]
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		S.	W.															
1001																		
1002	Apia, Samoa	13 48	171 46	5	..	1009·7	−0·4	..	305·7	Mar.	..	290·9	July	299·6	+1·0	..	1962	− 98[illegible]
1003	Alofi, Niue Island	19 2	169 55	36·6	1010·5	1014·7	−0·1	302·7	309·1	Jan. 12, 15	293·7	287·4	Oct. 2	298·2	+0·2	..	1678	− 56[illegible]
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	..	1011·4	..	303·4	306·5	Jan.	296·3	289·8	July, Aug.	299·8	..	..	1803	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	1013·0	1014·2	..	297·0	303·2	July 3	287·3	282·2	July 22	292·2	+0·6	..	0	..
1022	Arequipa	16 22	71 33	2451	761·9	..	+0·1	293·4	297·4	June 6	282·2	278·0	sev. dates	287·8	+0·8	..	64	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	290·8	+1·8	..	738	+ 7[illegible]
1025																		
1026	Cuyaba	15 36	56 0	235	..	1019·5	+1·0	302·6	308·9	Sept. 27	296·1	284·6	July 3	299·4	..	..	1850	..
1035	St. Helena	15 57	W 5 40	632	946·6	1019·8	+0·2	292·7	298·8	Feb. 26	286·9	282·9	Sept. 6	289·8	+0·5	*289·5*	1124	+ 12[illegible]
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	860·8	..	..	299·4	310·8	Nov.	284·5	271·1	June	292·0	..	..	373	− 2[illegible]
1043	Salisbury, Rhodesia	17 49	31 3	1487	858·4	..	..	298·9	307·2	Nov.	284·3	272·4	June	291·6	..	..	732	− 9[illegible]
1044	Zomba	15 23	35 18	899	908·0	1008·3	+1·8	300·2	311·6	Nov. 25	287·9	280·1	July 1	294·1	+0·6	..	1490	+ 10[illegible]
1045	Tamatave	18 9	49 26	4	1016·3	1016·7	+0·8	..	..	..	295·8	290·9	July	298·5	..	..	5187	+206[illegible]
1046	Tananarivo	18 55	47 32	1400	866·1	..	+0·7	298·0	305·2	Nov. 14	286·1	277·5	July 6, Aug. 9	292·1	+0·5	291·1	906	− 45[illegible]
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·3	+0·5	302·1	305·2	Mar. 22	297·8	294·1	Sept. 28	299·9	+0·1	..	2165	+ 4[illegible]
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·5	1009·1	+0·2	303·8	306·3	Nov.	297·1	294·3	July	300·4	+0·3	..	1974	− 28[illegible]
1058																		
1061	Derby	17 18	123 40	16·2	..	1011·9	+1·2	306·3	314·4	Nov. 29	294·3	282·6	June 28	300·3	−0·3	..	698	+ 2[illegible]
1062	Hall's Creek	18 13	127 46	373·4	..	1011·9	+0·5	307·2	317·3	Jan. 28	290·4	275·2	June 27, Aug. 16	298·8	+0·3	..	302	− [illegible]
1063	Port Darwin	12 28	130 51	29·6	..	1010·5	+1·2	305·6	309·1	Nov. 26	296·7	289·5	July 23	301·2	0·0	*300·1*	1647	+ [illegible]
1064	Daly Waters	16 16	133 23	213	..	1010·0	..	307·9	316·3	Nov. 1, Dec. 20, 21	292·7	279·1	Aug. 16	300·3	+0·4	..	460	− [illegible]
1065	Mein	13 13	142 57	121·9	..	1009·9	..	304·9	312·9	Nov. 26	293·9	283·9	Aug. 15	299·4	..	..	971	− [illegible]
1066	Georgetown, Queensland	18 23	143 33	301·8	..	..	..	305·8	313·6	Dec. 20	291·8	277·3	Aug. 8	298·8	..	..	483	− [illegible]
1067	Samarai	10 37	150 40	6·4	..	1011·4	+1·3	..	..	..	..	..	..	..	..	..	2751	− 21[illegible]
1068																		
1071																		
1072	Suva, Fiji	18 8	178 26	3·8	..	1012·9	+0·2	300·4	306·3	Mar. 18	295·0	288·6	Aug. 25	297·7	−0·4	..	2931	+ 16[illegible]
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

YEAR—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1105																		
1106	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	299·4	304·4	Feb. 3	293·7	285·2	July 7	296·6	..	..	2152	+ 92
1115																		
1116	Mataveri, Easter Island	27 10	109 26	30	1014·8	1018·3	..	296·5	304·0	Feb. 15	290·1	283·9	Sept. 23	293·3	..	..	1269	..
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1012·8	1015·8	..	290·5	295·5	Mar. 11	285·4	278·7	July 16	288·0	..	..	61	..
1122	Puerto de Antofagasta	23 39	70 25	5	1013·5	1014·1	−0·2	298·7	301·9	Feb. 21	287·0	283·6	Apr. 4	292·9	+1·1	..	64	+ 61
1125	Goya	29 9	59 15	64	1009·5	1017·1	..	298·9	310·6	Dec. 27	288·3	273·5	Sept. 1	293·6	+0·1	*293·1*	1417	+ 445
1126	Porto Alegre	30 2	51 13	26	1014·7	1016·2	..	297·9	309·2	Mar. 26	287·5	272·2	July 30	292·7	..	292·7	1499	..
1127	Curityba	25 26	49 16	908	915·0	1016·6	−0·7	296·0	306·0	Jan. 5, Dec. 29	284·6	270·2	Sept. 3	290·3	+0·1	289·6	1283	−169
1128	Rio de Janeiro	22 54	W43 10	64	..	1015·8	+0·4	298·6	308·9	Jan. 6	293·3	285·9	Sept. 4	296·0	−0·2	..	971	−120
1139																		
1140	Windhuk	22 34	E17 5	1665·3	835·4	..	..	298·7	307·3	Nov. 11	285·6	271·0	June 17	292·2	..	292·1	563	..
1141																		
1142	Johannesburg	26 11	28 4	1874	825·4	..	+0·6	294·8	304·1	Nov. 13, 21	283·0	271·8	July 29	288·9	+0·8	*288·5*	551	−173
1142a	Kimberley	28 43	28 46	?1232	884·2	..	+0·6	..	..	..	..	..	..	..	..	..	..	..
1143	Pretoria	25 45	28 11	1576	871·6	..	+0·5	299·5	309·6	Jan. 27, Nov. 8	282·8	269·7	June 25	291·2	+0·6	..	561	−163
1144	Durban	29 51	31 0	79·9	1008·9	1018·3	−1·2	298·3	308·9	May 21	289·1	272·9	Aug. 3	293·7	−1·1	..	968	− 61
1147	Lorenzo Marques	25 58	32 36	59	..	1017·9	+0·8	300·9	317·4	Nov. 24	290·6	281·8	June 23	295·7	−0·1	295·2	379	−297
1148	Mauritius	20 6	57 33	54·3	1009·4	1015·7	−0·4	299·9	305·3	Jan. 4	292·7	285·2	June 27	296·3	0·0	295·9	1852	+634
1159	Onslow	21 43	114 57	4·3	..	1011·8	+0·1	305·2	319·1	Jan. 8	290·3	277·2	July 2	297·7	+0·3	..	14	−195
1160	Peak Hill	25 38	118 47	588·3	..	1011·8	−0·5	303·2	316·7	Dec. 18	289·6	276·1	July 21	296·4	+1·2	..	136	−119
1161	Nullagine	21 53	120 5	385·6	..	1012·0	+0·4	306·1	318·0	Jan. 24	289·5	273·6	July 3	297·8	+0·1	..	464	+151
1162	Laverton	28 40	122 23	466·3	..	1015·4	+0·2	301·2	316·9	Dec. 16	287·1	273·6	May 29, Aug. 1	294·2	+1·3	..	155	− 87
1163	Alice Springs	23 38	133 37	587·0	..	1013·5	+0·3	301·7	315·1	Dec. 21	285·9	271·4	Aug. 15	293·8	−0·2	*293·8*	227	− 53
1164	William Creek	28 55	136 21	76·2	..	1015·7	..	301·0	317·4	Dec. 18	286·3	274·1	June 17, Aug. 15	293·7	+0·4	..	83	− 56
1165	Boulia	22 55	139 38	145·7	..	1013·5	+0·3	305·2	319·1	Jan. 23	289·7	277·4	June 12	297·4	+1·0	..	275	+ 4
1166	Mitchell	26 32	147 52	337·1	..	1014·1	..	300·9	315·2	Jan. 22, Dec. 19, 20	284·5	270·9	June 1	292·7	..	..	649	+ 18
1167	Rockhampton	23 24	150 30	11·3	..	1014·9	+0·5	302·3	312·6	Feb. 9	290·2	278·5	July 17	296·2	+0·6	..	846	−206
1168	Brisbane	27 28	153 2	41·7	..	1015·9	+0·2	299·7	308·7	Jan. 17	288·7	278·9	May 28, Aug. 31	294·2	+0·7	..	1050	−146
1169	Noumea	22 16	166 27	9	1011·1	1012·1	..	301·0	308·8	Apr. 2	293·2	287·2	Oct. 19	297·1	+0·8	..	1139	+ 42
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

Between Latitude 30° S. and 40° S.

YEAR—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		S.	W.															
1219																		
1220	Juan Fernandez	33 37	78 50	10	1019·0	1020·2	+0·7	290·5	300·0	Jan. 25, Mar. 17	..	280·0	Aug. 16, 19	289·1	+0·1	..	913	−118
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·5	1016·3	+0·7	291·9	302·3	Feb. 7	284·2	276·6	July 13, 15	288·1	−1·1	..	507	+ 7
1222	Santiago	33 27	70 42	520	955·3	1016·0	−0·3	295·4	307·0	Jan. 13	280·3	269·0	July 1	287·9	+0·6	286·6	291	− 69
1223	Cordoba	31 25	64 12	439	964·9	1016·0	−0·6	297·5	311·0	Feb. 28	283·4	266·4	July 2	290·5	0·0	289·9	742	+ 44
1224	Buenos Ayres	34 16	64 11	25·2	1012·8	1015·8	+0·5	294·1	307·9	Feb. 26	284·2	269·9	July 2	289·2	0·0	289·2	1504	+571
1225	Rio Grande	32 2	52 6	2·3	1015·5	1015·8	..	293·9	306·0	Mar. 26	288·3	275·0	July 3	291·1	..	..	1391	..
1226	Montevideo	34 52	W56 12	29·3	..	1015·4	−0·1	..	305·1	Dec. 4	..	275·0	July 28	..	+0·2	289·5	1513	+731
1239	Cape Town	33 56	E18 29	9	1016·9	1018·0	+1·0	294·9	311·2	Jan. 10	285·4	276·3	July 13, Aug. 31	290·2	+0·5	..	559	− 98
1240	Danger Point	34 37	19 18	20	..	..	..	292·3	300·2	Oct. 24	286·7	278·6	July 15, Aug. 31	289·5	..	..	533	..
1241	Heidelberg	34 5	20 58	1541	853·3	..	+2·1	297·7	308·6	Nov. 5	280·2	261·7	June 26	289·0	+0·4	..	680	+236
1242	East London	33 2	27 55	10·1	1016·1	1017·3	+0·4	295·5	307·4	Feb. 16	287·1	278·6	Aug. 6	291·3	0·0	..	658	+ 67
1259	Perth (Observatory)	31 57	115 51	60·0	..	1016·6	0·0	296·1	314·4	Feb. 19	286·2	275·8	July 25	291·1	+0·3	..	707	−137
1260	Katanning	33 42	117 35	309·7	..	1015·5	−0·7	296·0	313·7	Jan. 11	282·8	272·8	July 26	289·4	+0·9	..	402	− 44
1261	Coolgardie	30 57	121 10	423·3	..	1015·6	−0·3	299·2	316·9	Dec. 16, Jan. 29	285·0	274·6	July 25	292·1	+1·1	..	176	− 58
1262	Eucla	31 45	128 58	4·6	..	1016·5	0·0	297·0	322·3	Dec. 17	285·3	275·2	July 3, Aug. 7	291·1	+0·7	..	324	+ 69
1263	Streaky Bay	32 48	134 13	13·1	..	1017·4	+0·3	296·4	316·0	Dec. 17	285·3	275·2	June 20	290·8	+0·8	..	369	− 20
1264	Adelaide	34 56	138 35	42·7	..	1017·2	+0·2	295·7	317·9	Feb. 2	285·0	275·6	Aug. 14	290·3	+0·2	..	497	− 38
1265																		
1266	Melbourne	37 49	144 57	35·1	..	1016·7	+0·3	292·6	314·4	Feb. 1	282·9	272·3	July 16	287·7	+0·1	..	517	−133
1267	Bourke	30 13	145 58	110·1	..	1016·8	+1·4	300·7	318·8	Jan. 22	286·2	273·4	Aug. 30	293·4	−0·2	..	177	−191
1268	Sydney	33 51	151 13	44·5	..	1016·4	+0·5	294·4	312·4	Jan. 15	286·6	278·5	July 21	290·5	+0·3	..	1207	− 17
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	1655	−127
1272	Auckland	36 50	174 50	38·1	..	..	..	290·4	298·6	Mar. 3	283·9	274·1	Aug. 13	287·2	−0·9	..	1094	+ 14
		S.	E.															

Between Latitude 40° S. and 50° S.

YEAR—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Diff. from Normal.
		S.	W.															
1301																		
1302	Chatham Island	43 52	170 42	58	..	..	..	286·9	296·3	Jan. 6, Dec. 16	280·7	271·9	Oct. 29	283·8	−0·1	..	1116	+369
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	286·7	295·1	Mar. 10	280·4	273·4	June 29	283·6	..	..	1749	..
1323	Punta Galera	40 1	73 44	40	1012·6	1017·5	..	287·7	294·9	Jan. 23	280·9	274·8	June 30	284·3	..	..	1844	..
1324	Bahia Blanca	38 45	W62 12	20	1013·0	1015·4	+0·1	295·0	313·8	Dec. 22	282·9	267·6	July 18	288·9	+0·8	*288·3*	527	+ 5
1365																		
1366	Hobart	42 53	E147 22	48·8	..	1013·1	+0·9	289·7	311·3	Feb. 3	281·3	271·8	July 16	285·5	+0·1	..	588	− 11
1369	Launceston	41 27	147 10	9·4	..	1014·1	..	291·3	311·3	Feb. 2	280·3	270·6	July 14	285·8	+0·2	..	725	+ 10
1370	Dunedin	45 52	170 31	90	..	1010·4	−1·1	287·1	301·3	Jan. 16	278·5	270·8	July 20	282·8	−0·5	..	1202	+233
1371	Christchurch	43 32	172 38	7·6	..	1011·6	−1·6	288·1	305·2	Dec. 29	278·9	268·0	Aug. 13	283·5	−1·0	..	698	+ 60
1372	Wellington	41 16	174 46	2·4	..	1013·2	−0·6	288·6	298·4	Dec. 28	282·5	271·4	Aug. 14	285·6	−0·3	..	1227	− 41
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

YEAR—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·8	1002·5	..	..	..	..	..	..	..	279·4	..	..	3505	..
1422	Puerto de Punta Arenas	53 10	70 54	4	1000·5	1001·0	+2·8	282·8	292·4	Jan. 27	275·6	267·5	June 15, July 26	279·2	−0·4	279·1	519	+155
1423	Punta Dungeness	52 24	68 25	5	999·5	1000·1	..	283·1	295·4	Jan. 15	277·3	268·2	Aug. 22	280·2	..	..	..	..
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1000·9	−1·3	281·4	292·4	Jan. 28, Nov. 9	275·5	266·9	July 26	278·5	−0·2	278·8	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	993·9	994·4	−2·4	278·0	290·8	Oct. 28	270·6	259·7	Aug. 13	274·3	−0·9	*273·9*	1349	+?
1430		S.	W.															

YEAR—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	989·3	990·2	−2·0	270·5	278·2	Oct. 27	263·4	238·5	July 3	266·9	−1·4	267·1	..	..
1528																		

YEAR—ZONE 16. Between Latitude 70° S. and 80° S.

1669		S.	E.															
1670	CapeEvans(McMurdo Sound)	77 38	166 24	18 metres.	.. mb.	995·1 mb.	+4·2 mb.	.. a.	277·4 a.	Jan.	.. a.	234·4 a.	June	.. a.	+1·2 a.	256·9 a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1912.

* "In the *White Sea* there was much ice until late in June."

**Seas round Novaja Zemlja and Spitsbergen.*—"The *Kara Sea* was ice-filled throughout the summer. In the north of the *Barents Sea* there was so much ice that the ice-edge throughout the summer was more W. and S. than usual; the weather also was rather cold."

**Spitsbergen.*—"The coast was more ice-blocked than usual."

**Greenland Sea.*—"There were great masses of ice north of lat. 75–79° N., but there was throughout the summer no great southward drift, so that the coast near Angmagsalik was exceptionally ice-free, as also was the coast of *Iceland*."

**Davis Strait.*—"Along the S.W. coast of Greenland conditions were normal; north of Fiskernaes there was very little ice. In North Greenland the winter ice (1911–1912) was weak and drifted away early. The autumn and winter of 1912–13 were exceptionally mild, and the ice was correspondingly thin."

North Atlantic and Labrador.—"On the *Newfoundland Banks* the ice advanced further south than in any year since 1897. The limits as compared with the average limits of the period 1901–12 were as follows:—

	South limit. 1912.	South limit. 1901–12 (average limit).	East limit. 1912.	East limit. 1901–12 (average limit).
	N.	N.	W.	W.
Icebergs	° ′ 37 50	° ′ 40 33	° ′ 41 12	° ′ 40 37
Field-ice	37 30	41 39	42 32	44 52

"Icebergs were exceptionally numerous both on the *Newfoundland Banks* and in *Belle Isle Strait*; possibly this was a result of the great accumulation of ice in Davis Strait in the summer of 1911."

* "In the *Behring Sea* there was very little ice."

SOUTHERN HEMISPHERE.

The number of icebergs reported in the S. Hemisphere during 1912, compared with the average for the period 1885 to 1913, is as follows:—

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1912	1	1	1	2	1	0	1	3	5	3	2	2	22
Average	5	5	5	4	3	4	4	5	5	5	6	6	57

* *Isforholdene i de arktiske Have, 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1912

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1912 AND THE AUTHORITIES FOR THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION, FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. ZONE 1.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
123	North Star Bay	Copenhagen, Dansk Meteor. Aarbog, 1912.	..	**P**=⅛ (8+14+21). **T**=¼ (8+14+2×21).
124			[Éléments météor. des îles Féroé, etc.	
125	Upernivik	Do. do.	**P, R,** M.S. normals prepared in M.O. **T,**	
126				
139	Spitsbergen	[Instituts, 1912, 1913.		**P**=⅛ (8+14+21). **T**=¼ (8+14+2×21).
140		Kristiania, Jahrb. d. Norweg. Meteor.	**P,** M.S. normals prepared in M.O.	**P, T**=mean of 24 hrs.
141	Gjesvaer	Kristiania, Jahrb. d. Norweg. Meteor.		**P**=⅛ (I+II+III)+corr. to reduce to mean of 24 hrs. Mean temp. M=*n*−*k*(*n*−min.) where *n* is the mean of the three fixed daily observations, and *k* is a factor varying with the station and month. Standard of time, mid-European.
142	Mehavn	Instituts, 1912.	**P, T,** Klimatabeller for Norge; II, Lufttryck, 1896; I, Luftenstemperatur, 1895. **R,** Nedböriagtagelser i Norge, 1912.	
143	Vardö	Do. do.		
		Do. do.		
144				
147	Malye Karmakouly	[Physical Observatory.		
148		M.S. data supplied by Nicholas Central	M.S. normals prepared in M.O.	**P, T**=⅛ (7+13+21).

Between Latitude 70° N. and 60° N. ZONE 2.

203	Nome	Washington, U.S. Dept Agric., Rep. of Chief of Weather Bureau, 1912–13.	..	**P**=red. to mean of 24 hrs.
204				
205	Tanana	Do. do.	..	..
206				
207	Valdez	Do. do.	..	..
208	Eagle	Do. do.	..	See No. 203. ..
209	Dawson		**P,** prepared in M.O. **T, R,** Diffs. in Monthly Weather Review.	**P**=⅛ (8+16+20) (not reliable for Jan. and Feb.). Two heights are given for Dawson, 321 metres and 335 metres. The former has been adopted in reducing the observations to Mean Sea Level. If the latter be adopted there will be a correction of about +1·7 mb.
210	Carcross	Toronto, Meteor. Service, Monthly Weather Review and Ann. Rep.	..	
211				
212		[Service.		
213	Fort Simpson	M.S. data supplied by Canadian Meteor.	..	**P**=⅛ (8+18).
214	Hay River	Do. do.	..	**P**=⅛ (8+17).
225	Fort Resolution	Toronto, Meteor. Service, Ann. Rep.	..	..
226	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1912.	M.S. normals prepared in M.O.	**P**=⅛ (8+14+21).
	Godthaab	Do. do.	**P, R,** M.S. normals prepared in M.O.; **T,** Éléments météor. des îles Féroé, etc.	Do. **T**=¼ (8+14+2×21).
229	Angmagsalik	Do. do.	..	**P**=⅛ (8+14+21).
230				
231				
232	Stykkisholm	Do. do.		
233	Vestmanno	Do. do.		
234	Grimsey (Akureyri)	Do. do.	Éléments météor. des îles Féroé, etc.	**P**=⅛ (8+14+21).
235	Berufjord	Do. do.		
236	Thorshavn	Do. do.		
	Lerwick	Do. do.		
237		London, Monthly Weath. Rep. of Meteor. Off., 1912.	Diff. from normals in Monthly Weath. Rep.	**P**=⅛ (7+13+21).
238	Bergen (Met. Obs.)			
239	Christiansund		**P, T,** Klimatabeller for Norge; II, Lufttryck, 1896; I, Luftenstemperatur, 1895. **R,** Nedböriagtagelser i Norge, 1912.	
240	Trondhjem	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1912.		See Gjesvaer, No. 141.
241	Bodö			
	Haparanda			
242		Stockholm, Meteor. Iakttagelser i Sverige, 1912.	**P,** Hamberg, Press. moy. en Suède, 1860–95; **T,** Meteor. Zs., 1904, p. 522; **R,** Nederborden i Sverige, 1860–1910.	**P**=⅛ (8+14+21).
	Helsingfors			
2420		Petrograd, Nicholas Central Physical Obsy., Monthly Bulletin, 1912.	**P,** Russian Climat. Atlas; **T, R,** Monthly Meteor. Bulletin.	**P**=7 h.; **T**=⅛ (7+13+21).
243	Kuopio	Do. do.	**T,** Monthly Meteor. Bulletin.	Do.
	Kola		**P, R,** Russian Climat. Atlas. **T,** Wild, Temperatur-Verhältnisse des Russischen [Reiches.	**P, T**=⅛ (7+13+21).
244		M.S. data supplied by Nicholas Central Physical Observatory.	See No. 242.	See No. 242.
245	Petrozavodsk	See No. 242.	Do.	Do.
246	Arkhangelsk	Do.	..	**T**=⅛ (7+13+21).
247	Velsk	See No. 243.	**P,** M.S. normals prepared in M.O. **T,** see current data.	See No. 242. Feb., **P**=⅛ (7+21).
	Oust-Tsylma	See No. 242.	..	See No. 246.
248	Troitsko-Petcherskoe	See No. 243.	See No. 243.	Do.
249	Berezov	Do.	M.S. normals prepared in M.O.	Do.
250	Obdorsk	Do.	Do. do.	Do.
251	Sourgout	Do.	..	..
252			..	See No. 246.
253	Touroukhansk	See No. 243.	See No. 243.	See No. 246. Height given is too great. Actual height probably 135 m.
254	Doudinka	Do.	Do.	See No. 246.
261	Oleminsk		M.S. normals prepared in M.O.	Do.
262	Iakoutsk	Do.	..	Do.
263	Verkhoïansk	Do.		
264	Oust-Maïskoe	Do.		

ZONE 3. Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
301				
303	Dutch Harbour	Washington, U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1912.	..	..
307				
308				
309	Sitka	Do. do.	**P,** Rykatchew, Marche diurne du Baromètre en Russie. **T, R,** M.S. normals prepared in M.O.	**P**=reduced to mean of 24 hrs.
310	Prince Rupert	Toronto, Meteor. Service, Monthly Weather Review, and Ann. Rep., 1912.	..	**P**=$\frac{1}{3}$ (5+17).
311	Barkerville	Toronto, Meteor. Service, Monthly Weather Review, 1912.	**T, R,** Diffs. in Monthly Weather Review. [see No. 311.	Do.
312	Kamloops	Do. do.	**P,** Ann. Rep. Meteor. Service, 1906. **T, R,**	Do.
313	Calgary	Do. do.	Do. do.	**P**=$\frac{1}{3}$ ($5\frac{1}{2}$+17$\frac{1}{2}$).
314	Fort Chipewyan	M.S. data supplied by Canadian Meteor. Service.	..	**P**=$\frac{1}{3}$ ($8\frac{1}{2}$+17$\frac{1}{2}$).
315	Prince Albert	See No. 310, and M.S. data supplied by Canadian Meteor. Service.	See No. 312.	**P**=$\frac{1}{3}$ (6+18).
316	Qu'Appelle	See No. 310.	Do.	Do.
317	Minnedosa	Do.	See No. 311.	**P**=$\frac{1}{3}$ (7+19).
318	Berens River	Do.	..	..
318*a*	York Factory	See No. 314.	M.S. normals prepared in M.O.	**P**=$\frac{1}{3}$ (8+18). **T**=$\frac{1}{3}$ (8+13). Max. from 13 h.
319	Fort Hope	Do.	..	**P**=$\frac{1}{3}$ (8+19).
320	Moose Factory	Do.	..	**P**=$\frac{1}{3}$ (9+19).
321				
323	Hebron	Hamburg, Deutsche Übersee. Meteor. Beob., 22.	M.S. data at M.O.	**P**=$\frac{1}{3}$ (7+14+21).
324	Nain	Do. do.	Do.	Do.
325	Davis Inlet	See No. 314.	..	..
326	Point Riche	See No. 318.	See No. 311.	**T**=$\frac{1}{3}$ (7+14+21). No registering ther.
327	Belle Isle	See No. 314.	..	**P**=$\frac{1}{3}$ (9+21).
328				
329				
334	Valencia	London, Monthly Weath. Rep. of Meteor. Off., 1912.	See current data.	P.=$\frac{1}{3}$ (9+21).
335	Aberdeen	Do. do.	Do.	Do.
336	Greenwich	Do. do.	Do.	Do. Diff.= 24 hrs mean—normal 24 hrs. mean.
337	Uccle	Brussels, Annuaire de l'Obs. de Belgique, 1913, 1914.	**P,** from Pressure Values publ. by Solar Physics Ctee ; **T, R,** Annuaire, 1912.	**P**= mean of 24 hrs.
338	De Bilt	Utrecht, Nederlandsch Meteor. Jaarboek, 1912.	**P,** prepared in M.O. **T, R,** Maand. Overzicht der Weergestildheid.	**P**= mean of 24 hrs.
338*a*	Hamburg	Hamburg, Meteor. Beob. in Deutschland, 1912.	Ergebn. der meteor. Beob. für 1896–1900 u. 1876–1900, Hamburg, 1904.	**P**=$\frac{1}{3}$ (8+14+20).
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1912.	Willaume-Jantzen, Meteor. Obs. i. Kjøbenhavn, 1896.	**P**=$\frac{1}{3}$ (8+14+21).
340	Potsdam	Potsdam, Ergebn. der meteor. Beob., 1912.*	**P,** from Hann.* **T,** M.S. normals prepared in M.O. **R,**†	**P**= mean of 24 hrs.
340*a*	Upsala	Stockholm, Meteor. Iakttagelser i Sverige, 1912.	**P,** Hamberg, Press. moy. en Suède, 1860–95. **T,** Meteor. Zs., 1904, p. 522. **R,** Nederbörden i Sverige, 1860–1910.	**P**=$\frac{1}{3}$ (8+14+21).
341	Warsaw	M.S. data supplied by Nicholas Central Physical Observatory.	**P, R,** Atlas Climat. de Russie. **T,** Wild, Temp. Verh. des Russ. Reiches.	**P, T**=$\frac{1}{3}$ (7+13+21).
342	Jurjev	Jurjev, Meteor. Beob. in 1912.	Do. do.	**P**=$\frac{1}{3}$ (1+4+7+10+14+16+19+22). Bar. exposure bad.
343	Petrograd	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bulletin, 1912.	**P, R,** Atlas Climat. de Russie. **T,** Monthly Meteor. Bulletin.	**P**=7 h. **T**=$\frac{1}{3}$ (7+13+21).
344	Kiev	Do. do.	Do. do.	Do.
344*a*	Moscow	Do. do.	Do. do.	**P**= mean of 24 hrs.
345	Saratov	Do. do.	**P,** Buchan, "Challenger" Rep. on Atmospheric Circulation. **T, R,** see No. 343.	**P**=7 h. **T**=$\frac{1}{3}$ (7+13+21).
346	Kazan	Kazan, Bulletin de l'Obs. météor., 1912.	**P,** Atlas Climat. de Russie. **T,** Bull. de l'Obs. **R,** see No. 343.	**P, T**=$\frac{1}{3}$ (7+13+22).
347	Orenburg	See No. 343.	See No. 343.	**P**=7 h. **T**=$\frac{1}{3}$ (7+13+21).
348	Perm	Do.	Do.	Do.
349	Ekaterinburg	Do.	Do.	Do.
350	Tobolsk	See No. 341.	See No. 341.	See No. 341.
351	Akmolinsk	Do.	Do.	Do.
352	Omsk	Do.	Do. and M.S. normals prepared in M.O.	Do.
353	Barnaoul	Do.	See No. 341.	Do.
354	Tomsk	Do.	Do.	Do.
355	Minousinsk	Do.	**R,** see No. 341.	Do.
356	Eniseisk	Do.	See No. 341.	Do.
357	Irkoutsk	Do.	Do.	Do.
358	Kirensk	Do.	..	Do.
359	Tchita	..	..	..
360	Blagoveshchensk Priisk	See No. 341	..	See No. 341.
360*a*	Nertchinsk	Do.	**T,** see No. 341.	Do.
361	Tygan Ourkan	Blagoveshchensk, Year-book of Meteor. Bureau of Amur District, 1909–12.	..	**P, T,** Diff.=$\frac{1}{3}$ (7+14+21).
362	Blagoveshchensk	..	..	..
363	Païkanskii Sklad	See No. 361.	..	See No. 361.
364				
365	Nikolaevsk-sur-Amour	M.S. data supplied by Meteorological Observatory, Vladivostok.	Atlas Climat. de Russie.	**P, T**=$\frac{1}{3}$ (7+13+21). Max. temps. from fixed obs. No. max. ther.
366	Okhotsk	Do. do.	See No. 341.	**P**=$\frac{1}{3}$ (7+13+21).
367				
368	Petropavlovsk Phare	See No. 365.	**P,** Buchan, "Challenger" Rep. on Atmospheric Circulation. **T,** Atlas Climat. de Russie.	See No. 366.
372				

* Hann, Die Vertheilung des Luftdruckes über Mittel- und Süd-Europa (means 1851–80), Wien, 1887. † Hellmann, G., Die Niederschläge in den Norddeutschen Stromgebieten.

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N. ZONE 4.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Weather Review and Ann. Rep., 1912.	**P,** Ann. Rep. Canadian Meteor. Service, 1906. **T, R,** Diffs. in Monthly Weather Review.	**P**=$\frac{1}{3}$ (5+12+17).
412	Portland, Oregon	Washington, U.S. Dept. Agric., Report of Chief of Weather Bureau, 1912, and Monthly Weath. Rev., 1912.	U.S. Dept. Agric., Monthly Weath. Rev.	**P,** reduced to mean of 24 hrs. **P,** at station level is reduced to the station height in 1900.
413	Macleod	See No. 411.	**T, R,** see No. 411.	..
414	Helena	See No. 412.	See No. 412.	See No. 412.
414*a*	Salt Lake City	Do.	Do.	Do.
415	Cheyenne	Do.	Do.	Do.
416	North Platte	Do.	Do.	Do.
416*a*	Bismarck	Do.	Do.	Do.
417	Winnipeg	Do.	Do.	**P**=$\frac{1}{3}$ (7+14+19).
418	Duluth	See No. 411.	See No. 411.	See No. 414.
419	Port Arthur	See No. 414.	See No. 414.	See No. 417.
420	Chicago	See No. 411.	See No. 411.	See No. 414.
421	Toronto	See No. 414.	See No. 414.	**P**=$\frac{1}{3}$ (8+20).
422	New York	See No. 411.	See No. 411.	See No. 414.
423	St John, N.B.	See No. 414.	See No. 414.	**P**=$\frac{1}{3}$ ($8\frac{1}{2}$+20$\frac{1}{2}$).
424	S. W. Point, Anticosti	See No. 411.	See No. 411.	**P**=$\frac{1}{3}$ ($8\frac{1}{2}$+20$\frac{1}{2}$).
425	Sable Island (Main Station)	M.S. data supplied by Canadian Meteor. Service.	..	..
426	St Johns, Newfoundland	..	..	..
435	Madrid	See No. 411.	See No. 411.	See No. 421.
		Madrid, Annuario del Observatorio, 1914.	**P,** Études sur le Climat de France, Pression. **T, R,** Treinte anos de Obs. Meteor. de Madrid.	**P**=$\frac{1}{8}$ (3+6+9+12+15+18+21+24).
436	Nantes	Paris, Ann. Bur. centr. météor, 1912.	**P, T,** Études sur le Climat de France, Pression, Température. **R,** Eiffel. Atlas Météor.	Do. do.
437	Paris (Parc St. Maur)	Do. do.	Do. do.	**P**= mean of 24 hrs.
438	Marseilles	Do. do.	Do. do.	**P**=$\frac{1}{3}$ (7+10+12+16+18+22).
438*a*	Zürich	Zürich, Ann. Schweiz. Meteor. Centralanst., 59, 1912.	J. Maurer, etc., Das Klima der Schweiz., 1864–1900.	**P**=$\frac{1}{3}$ ($7\frac{1}{2}$+13$\frac{1}{2}$+21$\frac{1}{2}$). **T**=$\frac{1}{4}$($7\frac{1}{2}$+13$\frac{1}{2}$+2×21$\frac{1}{2}$).
439	Rome	Cairo, Summary of Weather in Egypt, etc., 1912.	F. Eredia, Il Clima di Roma, 1912.	**P**=8 h.
440	Vienna	Vienna, Monatl. Mitt. der k. k. Zentralanst. für Meteor.	See current data.	**P**=$\frac{1}{3}$ (7+14+21). **T,** diff.=$\frac{1}{3}$ (7+14+21) (1912—normal).
440*a*	Buda-Pesth	Budapest, A. m. kir. orszagos meteor. intézet, 1912.	**P,** Rona, Luftdruckverhältnisse Ungarns, 1861–1900. **T,** Rona and Fraunhoffer, Tempverhältnisse von Ungarn. **R,** A. von Anderko, Verteilung des Niederschlages in Ungarn.	**P**=$\frac{1}{3}$ (7+14+21). **T,** diff.=$\frac{1}{3}$ (7+13+21) from normal.
441	Bucharest	Bucharest, Observ. Astr. si Meteor., Bul. lunar.	**P, R,** Album climat. de Roumanie. **T,** current data.	**P, T,** hours of observations unknown.
443	Odessa (University)	Odessa, Annuaire de l'Obs. de l'Univ. Imp., 1912.	**P,** Atlas Climat. de Russie. **T, R,** Petrograd, Monthly Meteor. Bulletin.	**P**=$\frac{1}{3}$ (7+13+21).
444	Kharkov (University)	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bulletin, 1912.	Atlas Climat. de Russie.	**P**=7 h. **T**=$\frac{1}{3}$ (7+13+21).
444*a*	Novorossiisk	Do. do.	Do.	Do do.
445	Tiflis	Do. do.	See No. 443.	Do. do.
446	Astrakhan	Do. do.	Do.	Do. do.
447	Fort Alexandrovsk	Do. do.	..	..
448	Krasnovodsk	..	**T,** see No. 443.	See No. 443.
449	Tachkent	See No. 444.	Atlas Climat. de Russie.	**P**=$\frac{1}{3}$ (7+13+21).
450	Irgiz	M.S. data supplied by Nicholas Centr. Phys. Obs.	..	..
451	Narynskoe	..	..	..
452	Vernyi	See No. 449.	**T,** M.S. normals prepared in M.O.	**P, T**=$\frac{1}{3}$ (7+13+21).
461	Mukden	Do.	Atlas Climat. de Russie.	Do.
462	Joshin	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1912, Pt. i.	Tokio, Results of Meteor. Obs. in Japan, 1906–10.	**P**=$\frac{1}{6}$ (3+7+11+15+19+23).
463	Vladivostok	Do. do.	Do. do.	**P**=$\frac{1}{6}$ (2+6+10+14+18+22).
		M.S. data supplied by Meteor. Obs., Vladivostok.	**P,** Atlas Climat. de Russie. **T,** Buchan, "Challenger" Rep. on Atmospheric Circulation.	**P**=$\frac{1}{3}$ (7+13+21).
465	Ochiai	See No. 461.	..	..
466	Nemuro	Do.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905.	**P**=$\frac{1}{6}$ (2+6+10+14+18+22). **P**= mean of 24 hrs.

Between Latitude 40° N. and 30° N. ZONE 5 (Western Half).

511	San Francisco	Washington, U.S., Dept. Agric., Rep. of Chief of Weather Bureau, 1912–13 ; and Monthly Weather Review.	Washington, U.S. Dept. Agric., Monthly Weather Review.	**P,** corrected to mean of 24 hrs.
512	San Luis, Obispo			
513	Modena			
514	San Diego			
515	Santa Fé			
516	Denver			
517	Abilene			
518	Saint Louis			
519	Mobile			
520	Nashville			
521	Charleston			
522	Washington			
524	Bermuda			
531	Horta	Toronto, Meteor. Service, Monthly Weather Review.	**P,** M.S. normals prepared in M.O. **T, R,** Diffs. in Monthly Weather Review.	**P**=8 h.
532	Ponta Delgada	Cairo, Summary of Weather in Egypt, etc.	**P,** M.S. normals prepared in M.O. **T, R,** Hann, Handbuch der Klimatologie.	**P**=6 h.
533	Madeira (Funchal)	Do. do.	**P, R,** see current data ; **T,** M.S. normals prepared in M.O.	**P**=8 h.
534	Lisbon	Lisbon, Resumo das Observaçoes, 1912.	**R,** Hann, Handbuch der Klimatologie.	**P**=$\frac{1}{3}$ (9+15+21).
535	Casablanca	Do. do.	J. d'Almeida Lima, Le climat de Lisbonne.	**P**=$\frac{1}{3}$ (9+15+21).
536	Gibraltar	Hamburg, Deutsche Übersee. Meteor. Beob., 22.	Hann, Handbuch der Klimatologie.	**P, T**=$\frac{1}{3}$ (8+13+20) approximately.
		M.S. data at M.O.	M.S. normals prepared in M.O.	**P**=$\frac{1}{3}$ (7+13+21).

ZONE 5 (Eastern Half). Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Authority for Current Data.	Authority for Normals	Remarks
537	Algiers	M.S. data supplied by Bureau Central Météorologique de France.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+13+19).
538	Palma	See No. 531.	See current data.	P=8 h.
538a	Tunis	See No. 537.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+13+19).
539	Malta	See No. 531.	See current data.	P=8 h.
540	Catania	M.S. data supplied by Dr. A. Ricco.	M.S. normals supplied by Dr. A. Ricco.	P=$\frac{1}{8}$ (7+9+15+21).
541	Athens	See No. 531.	See No. 539.	P=8 h.
542	Alexandria	Do.	Do.	Do.
543	Cairo (Helwan)	Do.	Do.	Do.
544	Nicosia	Do.	M.S. normals prepared in M.O.	P=9 h.
544a	Beirut	Do.	See No. 539.	P=8$\frac{1}{2}$ h.
545	Baghdad	Calcutta, India Weather Review, 1912.	See current data.	P=8 h.
546	Lenkoran	M.S. data supplied by Nicholas Central Phys. Obs.	P, Buchan, "Challenger" Rep. on Atmospheric Circulation. T, R, M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+13+21)
547	Busrah	See No. 545.	See No. 545.	P=8 h.
548	Meshed	Do.	Do.	Do.
549	Quetta	Do.	Do.	Do.
550				
551	Lahore	Do.	Do.	Do.
551a	Simla	Do.	Do.	Do.
552	Leh	Do.	Do.	Do.
552a	Dehra Dun	Do.	Do.	Do.
559	Hang Kow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1912, Pt. i.	Tokio, Results of Meteor. Obs. in Japan, 1906–10.	P=$\frac{1}{6}$ (6+14+22.
560	Tiensin	Do. do.	Do. do.	Do.
561	Shanghai (Zi-Ka-Wei)	M.S. data supplied by Rev. H. Gauthier.	P, R, Bull. de l'Obs., Zi Ka Wei, 1909. T, Zi Ka Wei Obs. de Temp. 1873–1903.	P=mean of 24 hrs.
562	Chemulpo	Chemulpo, Ann. Rep. Centr. Meteor. Obs., Korea, 1912.	P, T, Meteor. Zs., 1910, p. 502. R, see current data.	P=$\frac{1}{6}$ (2+6+10+14+18+22)
562a	Nagasaki	See No. 559.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905.	P=mean of 24 hrs.
563	Kioto	Do.	Do.	Do.
564	Tokio	Do.	Do.	Do.
565	Miyako	Do.	Do.	P=$\frac{1}{6}$ (2+6+10+14+18+22).
566				

ZONE 6. Between Latitude 30° N. and 20° N.

605	Honolulu	Washington, U.S. Dept. Agric., Report of Chief of Weather Bureau, 1912–13.	M.S. normals prepared in M.O.	P, reduced to mean of 24 hrs.
606				
615	Zacatecas	Zacatecas, Boletin mensual del Obs., 1912.	..	P=prob. $\frac{1}{2}$ (6+18) local time.
616	Leon	Leon, Boletin mensual del Obs. Meteor.	Mexico, Boletin mens. del Obs. Meteor. Magn.	P=$\frac{1}{8}$ (7+14+21).
617	Galveston	Washington, U.S. Dept. Agric., Report of Chief of Weather Bureau, and Monthly Weath. Rev.	U.S. Dept. Agric., Monthly Weath. Rev.	P, reduced to mean of 24 hrs.
618	New Orleans	Do. do.	Do. do.	Do. do.
619	Havana	Havana, Obs. Meteor. del Colegio de Belen, 1912.	M.S. normals prepared in M.O.	P, T=mean of bi-hourly obs.
620	Key West	See No. 617.	See No. 617.	See No. 617.
621	Nassau, Bahamas	M.S. data at M.O.	M.S. normals prepared in M.O.	P=$\frac{1}{2}$ (8+15).
622				
633	Puerto de Orotava	Hamburg, Deutsche Übersee. Meteor. Beob., 22.	..	T, seems unreliable.
634	Las Palmas, Canary Islands	Madrid, Instituto Geografica y Estadistico, Resumen, 1911–12, and Paris, Ann. Bur. centr. météor., 1912.	M.S. normals prepared in M.O.	P=8 h. Jan., June, Aug., Sept., Dec. P=9 h.
637	Insalah	M.S. data supplied by Bureau Central Météorologique de France.	Do. do.	P=$\frac{1}{8}$ (7+13+19).
638				
641	Dakhla Oasis	Cairo, Summary of Weather in Egypt, etc., 1912.	See current data.	P=8 h.
642	Wadi Halfa	Do. do.	Do.	Do.
643	Suez	Do. do.	Do.	Do.
644	Aswan	Do. do.	Do.	Do.
647	Bushire	Calcutta, India Weath. Rev., 1912.	Do.	Do.
648	Jask	Do. do.	Do.	Do.
649	Kurrachee	Do. do.	Do.	Do.
650	Hyderabad, Sind	Do. do.	Do.	Do.
651	Jaipur	Do. do.	Do.	Do.
652	Nagpur	Do. do.	Do.	Do.
653	Allahabad	Do. do.	Do.	Do.
654	Calcutta	Do. do.	Do.	Do.
655	Gauhati	Do. do.	Do.	Do.
655a	Cherrapunji	Do. do.	Do.	Do.
656	Shillong	Do. do.	Do.	Do.
656a	Akyab	Do. do.	Do.	Do.
657	Phu Lien	Paris, Ann. Bur. centr. météor., 1912.	M.S. normals prepared in M.O.	P=mean of bi-hourly obs.
658	Moncay	Do. do.	Do. do.	P=$\frac{1}{2}$ (10+16).
659				
660	Hong Kong	Hong Kong Observatory, Meteor. Obs., 1912.	See current data.	P=mean of 24 hrs.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1912, Pt. i.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905, 1906–10.	Do.
662	Naha	Do. do.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905.	Do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N. ZONE 7.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
715	Zapotlan	M.S. data supplied by Obs. Meteor. Magn.,	..	P=$\frac{1}{8}$ (7+14+21).
716	Morelia	Do. do. [Mexico.	..	P, T=$\frac{1}{8}$ (7+14+21).
717	Salina Cruz	Mexico, Boletin mens. del Obs. Meteor.	R, see current data.	T, probably=$\frac{1}{8}$ (7+14+21).
718	Mexico	Do. do. [Magn., 1912.	P, R, see current data. T, Hann.*	P=mean of 24 hrs.
718a	Oaxaca	See No. 715.	..	See No. 715.
719	Belize	M.S. data supplied by Dr. Harrison, Belize.	Meteor. Zs., 13, 1896, p. 104.	P=10 h.
720	San Salvador	San Salvador, Obs. Nacional, Obs. Meteor.,	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+14+21).
721	Jamaica (Negril Point)	Jamaica Weather Reports, 1912. [1912.	P, T, Jamaica Weather Rep., No. 357. R, Maxwell Hall, Rainfall in Jamaica.	P=$\frac{1}{2}$ (7+15) reduced to mean of 24 hrs.
722	Port au Prince		M.S. normals prepared in M.O.	
723	St Croix (Christiansted)	Paris, Ann. Bur. centr. météor., 1912.	..	P=mean of 24 hrs.
724	Grenada (Richmond Hill)	Copenhagen, Dansk Meteor. Aarbog, 1912.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (8+14+21).
725	Barbados	Grenada, Government Gazette, 1912.	Do. do.	P=$\frac{1}{2}$ (9+18).
731	St Vincent, C. Verde Is.	Barbados, Blue Book, 1912.	Do. do.	P=$\frac{1}{2}$ (9+15).
732	San Tiago, C. Verde Is.	Lisbon, Resumo das Observaçoes, 1912.	Do. do.	P=$\frac{1}{8}$ (9+15+21).
733	Bathurst	Do. do.	..	Do.
734	M'Carthy Island	Gambia, Government Gazette. 1912.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+14+21).
735	Ségou	Do. do.	..	..
736	Timbouctoo	M.S. data supplied by Bureau central météorologique de France.	..	..
737	Sokoto	Do. do.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+14+21).
738	Kontagora	M.S. data at M.O.	Do. do.	..
739	Maidnguri	Do.	Do. do.	..
740	Katagum	Do. [1912.	R, Do. do.	..
742	Kadugli	Cairo, Ann. Rep. Survey Dept., Egypt.	Do. do.	..
743	El Obeid	Cairo, Ann. Rep. Survey Dept., Egypt, and Summary of Weather in Egypt, etc., 1912.	..	P=8 h. More recent information gives height as 570 m.
744	Khartoum	Do. do.	Cairo, Summary of Weather in Egypt, etc.	P=8 h.
746	Aden	Calcutta, India Weath. Rev., 1912.	See current data.	Do.
751	Bombay	Do.	Do.	Do.
752	Mysore	Do.	Do.	Do.
752a	Kodaikanal	Do. Hourly T, Ann. Rep. Kodaikanal and Madras Observatories, 1912.	Do.	Do.
753	Madras	Do. do.	Do.	Do.
754	Waltair	See No. 746.	Do.	Do.
755	Port Blair	Do. [Météor. de France.	Do.	Do.
756	Rangoon	M.S. data supplied by Bureau Central	Do.	Do.
757	Saigon	Do. do.	M.S. normals prepared in M.O.	P=$\frac{1}{2}$ (10+16).
758	Nhatrang	Manila, Bull. Philippine Weather Bureau, 1912.	Do. do.	Do.
759	Bolinao	Do. do.	R, M. S. Masó, Annual Amount and Distribution of Rainfall in the Philippines, 1914.	P=$\frac{1}{6}$ (2+6+10+14+18+22.
760	Vigan	Do. do.	Do. do.	Do.
761	Manila	Do. do.	See current data.	P=mean of 24 hrs.
762	Ormoc	Do. do.	See No. 759.	See No. 759.
765	Guam, Ladrone Is.	See No. 759.	..	P=$\frac{1}{2}$ (6+14).

Between Latitude 10° N. and 0°. ZONE 8.

805	Fanning Island	M.S. data at M.O.	M.S. normals prepared in M.O.	P=$\frac{1}{2}$ (9+21). Max. ther. readings seem to be too high after May; the true mean has been calculated from the dry bulb readings, and the diffs. from normal refer to true mean from June to December.
819	Culebra	Culebra, Isthmian Canal Commission, Monthly Meteor. Report.	P, T, M.S. normals prepared in M.O. R, see current data.	Mean max. and min. temps. converted from whole degrees Fahrenheit.
822	Caracas	Caracas, Anuario Estadistico de Venezuela, 1912.	..	P, hours of observation not known. Ht. given as 920 m., but reduction of barometric readings shows this to be too small.
823	El Peru, Guayanavieja	M.S. data at M.O.	..	P=7 h.
825	Georgetown, Brit. Guiana	Brit. Guiana, Blue Book. [De Bilt.	Blue Book, 1911.	P=$\frac{1}{2}$ (9+16).
826a	Paramaribo	M.S. data supplied by K. Ned. Meteor. Inst.,	..	P=$\frac{1}{8}$ (8+14+18).
827	Cayenne	Paris, Ann. Bur. centr. météor., 1912.	M.S. normals prepared in M.O.	..
834	Conakry	See No 826a.	Do. do.	P=$\frac{1}{8}$ (7+14+21).
835	Sierra Leone	M.S. data at M.O.	Do. do.	P=$\frac{1}{2}$ (9+17). Barometer out of order [Jan.–July.
836	Cape Coast Castle	Do.	Do. do.	..
837	Accra	Do. and Gold Coast Blue Book,	Do. do.	..
838	Lagos	Nigeria, Government Gazette. [1912.	Do. do.	P=$\frac{1}{2}$ (9+15).
838a	Zungeru	M.S. data at M.O.	Do. do.	P=9 h.
839	Libreville	See No. 826a.	Do. do.	..
841	Yola	M.S. data at M.O.	Do. do.	..
842	Kafia Kingi	Cairo, Ann. Rep. Survey Dept., Egypt, 1912.	..	P, T=8 h.
843	Wau	Cairo, Summary of Weather in Egypt, etc.,	R, see current data.	P=8 h.
844	Entebbe	M.S. data at M.O. [1912.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (7+14+21).
845	Nandi	Nairobi, Meteor. Records, British East	..	..
851	Harrar	[Africa, 1912.	..	..
852	Cothin	See No. 841.	See current data.	P=8 h.
853	Colombo Observatory	Calcutta, India Weath. Rev., 1912.	Do.	P=$\frac{1}{2}$ (9$\frac{1}{2}$+15$\frac{1}{2}$); diffs. refer to Colombo Fort.
855	Candy	Colombo, Rep. on Obs. and Meteor. of Ceylon, 1912.	..	..
856	Medan	Do. do.	Do.	P=mean of 24 hrs.
857	Kota Radja	P, Batavia, Obs. at II. Stations in Netherlands East India, vol. i. R, Regenw. in do.	R, see current data.	..
858	Penang	Do. do.	Do.	Do.
860	Singapore	Singapore, Straits Settlements Meteor. Returns, 1912.	M.S. normals prepared in M.O.	P=$\frac{1}{8}$ (9+15+21). P, diff. 8 h.—normal.
861	Sandakan	Do. do.	Do. do.	Do. do.
862	Tagbilaran	British North Borneo Herald, 1912.	Do. do.	..
863	Surigao	Manila, Bull. Philippine Weather Bureau, 1912.	R, see No. 759.	P, T=$\frac{1}{8}$ (2+6+10+14+18+22).
	Yap	Do. do.	Do.	..
		Manila, Bull. Philippine Weather Bureau, 1912, and Hamburg, Deutsche Übersee. Meteor. Beob., 22.	..	P, T=$\frac{1}{2}$ (2+6+10+14+18+22). Jan.– [May, P=$\frac{1}{2}$ (6+14).
869	Uyelang	[Beob., 22. Hamburg, Deutsche Übersee. Meteor.	R, M.S. normals prepared in M.O.	..

* Hann, J., Der tägliche Gang der Temperatur in der äusseren Tropenzone, Wien, 1907.

ZONE 9.

Table showing the Authorities for the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
905	Malden Island	M.S. data at M.O.	M.S. normals prepared in M.O.	**P**=½ (9+20).
906				
923	Manaos	M.S. data supplied by Mr. R. C. Mossman.	M.S. data supplied by Mr. R. C. Mossman.	**T**=¼ (7+10+13+16).
930	Fernando Noronha	M.S. data supplied by Señor J. C. Barboza.	..	**P, T**=⅛ (7+14+21).
939	Sainte Croix-des-Eshiras	M.S. data supplied by Bureau central météorologique de France.	**T,** M.S. normals prepared in M.O.	..
940	Loango	Do. do.	..	..
943	Daressalam	Hamburg, Deutsche Übersee. Meteor. Beob. 22.	..	**P**=mean of 24 hrs.
944	Nairobi	Nairobi, Meteor. Records, British East Africa, 1912.	**R,** see current data.	..
944*a*	Zanzibar	Calcutta, India Weath. Rev. 1912.	See current data.	**P**=8 h.
945				
946	Lamu	See No. 944.	..	..
947	Seychelles	See No. 944*a*.	See current data.	**P**=½ (10+16). **T,** diffs. are mean 24 hrs. {1912—normal}.
948				
955				
956	Padang	**P, T,** Batavia, Obs. at 11 Stations in Netherlands East India, vol. i. **R,** Regenw. in do.	**P, R,** see current data.	**P,** reduced to mean of 24 hrs.
957	Batavia	Do. do.	**P,** see No. 956; **T, R,** Obs. at R. Meteor. Obs., 1911.	Do. do.
958	Pontianak	Do. do.	See No. 956.	Do. do.
959	Passeroean	Do. do.	Do.	**P** reduced to mean of 24 hrs. **T,** true mean=⅛ (7+12+17)—0·7°.
960	Kajoemas	Do do.	**R,** see No. 956.	..
961	Koepang	Do. do.	Do.	..
962	Ambon	Do. do.	**P, R,** see No. 956. **T,** J. P. Smits, Klima van Ambon, Weltevreden, 1915.	See No. 956.
965	Daru	Port Moresby, Papua Govt. Gazette, 1912–13.	M.S. normals prepared in M.O.	**P**=9 h.
966	Port Moresby	Do. do.	Do. do.	Do.
967				
968	Rendova	Results of Rainfall Obs. in Queensland.	See current data.	..
969	Tulagi, Brit. Solomon Is.	M.S. data at M.O.	M.S. normals prepared in M.O.	**P**=9 h.
970	Ocean Island	Do.	Do. do.	**P**=½ (9+21).

ZONE 10.

Between Latitude 10° S. and 20° S.

1001				
1002	Apia, Samoa	Meteor. Zs., 30, 1913, p. 571.	M.S. normals prepared in M.O.	**P,** reduced to mean of 24 hrs. **T**=¼ (7+14+21).
1003	Alofi, Niue Island	M.S. data at M.O.	Do. do.	**P**=9 h.
1004				
1007	Tahiti (Makatea)	M.S. data supplied by Bureau central météorologique de France.	..	**P**=⅛ (6+12+18).
1008				
1021	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 10, Anuario, 1912.	**T,** M.S. normals prepared in M.O.	**P**=⅛ (7+14+21).
1022	Arequipa	M.S. data supplied by Professor Pickering, Harvard College.	M.S. normals prepared in M.O.	**P**=½ (10+22).
1023				
1024	Sucre, Boliva	Sucre, Resultados di Obs. Meteor., 1915.	**T,** see current data. **R,** M.S. normals supplied by Mr. R. C. Mossman.	Basis of mean temp. unknown.
1025				
1026	Cuyaba	M.S. data supplied by Obs. Nacional, Rio de Janeiro.	Meteor. Zs., 30, 1913, p 398.	**P**=¼ (7+14+21).
1035	St. Helena	M.S. data at M.O.	M.S. normals prepared in M.O.	**P**=9 h.
1036				
1041				
1042	Gwelo	Salisbury, Rep. on Meteor. . . . , 1912, 1913, by the Agric. Dept.	**R,** see current data.	Do.
1043	Salisbury, Rhodesia	Do. do.	**R,** E. Goetz., The Rainfall of Rhodesia.	Do.
1044	Zomba	Nyasaland, Blue Book, 1912.	Meteor. Zs., 26, 1909, p. 327.	**P**=½ (9+21).
1045	Tamatave	Paris, Ann. Bur. centr. météor., 1912.	Prepared in M.O.	**P**=½ (7+12+18). Mean **T,** Jan.–May and Year=12 h.
1046	Tananarivo	Paris, Ann. Bur. centr. météor., 1912, and Tananarive, Obs. Météor.	Tananarive, Obs. Météor.	**P**=⅛ (7+9+13+16+18).
1055	Cocos Keeling Is.	Melbourne, Australian Monthly Weath. Rep., vol. 3, 1912.	See current data.	**P**=½ (9+15). **P,** diff.=(9 h.—normal).
1056				
1057	Christmas Is.	Edinburgh, J. Scottish Meteor. Soc., 16, 1911–13.	M.S. normals supplied by Mr. A. Watt.	**P**=½ (9+21).
1058				
1061	Derby	See No. 1055.	See No. 1055.	**P**=½ (9+15).
1062	Hall's Creek	Do.	Do.	Do.
1063	Port Darwin	Do.	Do.	Do.
1064	Daly Waters	Do.	Do.	Do.
1065	Mein	Do.	**R,** Do.	Do.
1066	Georgetown, Queensland	Do.	Do.	Do.
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1912–13.	M.S. normals prepared in M.O.	**P**=9 h.
1068				
1071				
1072	Suva, Fiji	M.S. data at M.O.	C. H. Knowles, Ann. Rep. Agric., Fiji, 1913.	Do.

ZONE 11.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
1105	Rarotonga (Avarua)	M.S. data in M.O., and Results of Rainfall Obs. in Queensland.	**R,** see current data.	..
1115	Mataveri, Easter Island	Santiago, Publ. Inst. Meteor. de Chile, Nos. 4, 10.	..	**P**=mean of 24 hrs. from Jan.–April. **P**=⅛ (7+14+21) reduced to mean of 24 hrs. from May–Dec.
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 10, Anuario 1912.	..	**P**=¼ (7+14+21).
1122	Puerto de Antofagasta	Do. do.	M.S. normals prepared in M.O.	Do.
1125	Goya	M.S. data supplied by Mr. R. C. Mossman.	W. G. Davis, Climate of the Argentine Republic.	**P**=½ (8+14+20) reduced to mean of 24 hrs. **T**=¼ (8+14+20)
1126	Porto Alegre	Rio Grande do Sul, Dados Meteor., 1912–13.	..	**P**=¼ (7+14+21).
1127	Curityba	Meteor. Zs., 30, 1913, p. 608.	Brazil, Bol. meteor., 1910.	**P**=mean of 24 hrs.
1128	Rio de Janeiro	M.S. data supplied by Obs. Nacional, Rio de Janeiro.	L. Cruls, O Clima do Rio de Janeiro.	**P**=four-hourly.
1139	Windhuk	Hamburg, Deutsche Übersee. Meteor. Beob., 22, 1912.	..	**P**=mean of 24 hrs.
1140				
1141	Johannesburg	Notices of the Transvaal Obs. and M.S. data supplied by Chief Meteorologist, Pretoria.	See current data.	**P**=8½ h.
1142	Kimberley	M.S. data supplied by Mr. R. C. Mossman.	J. R. Sutton, Meteor. of Kimberley.	**P**=mean of 24 hrs.
1142*a*	Pretoria	See No. 1141.	See No. 1141.	**P**=8½ h.
1143	Durban	Do.	Do.	**P**=9 h.
1144	Lorenzo Marques	Lourenço Marques, Relatorio do Obs. Campos Rodrigues, 1912.	A. de A. Teixeira, Climate of Lourenço Marques, 1913.	**P**=mean of 24 hrs.
1147	Mauritius	Mauritius, Results of Meteor. Obs. at Roy. Alfred Obs., 1912.	See current data.	**P**=mean of 24 hrs.
1159	Onslow	Melbourne, Australian Monthly Weath. Rep., 1912.	Do.	**P**=½ (9+15).
1160	Peak Hill	Do. do.	Do.	Do.
1161	Nullagine	Do. do.	Do.	Do.
1162	Laverton	Do. do.	Do.	Do.
1163	Alice Springs	Do. do.	Do.	Do.
1164	William Creek	Do. do.	Do.	Do.
1165	Boulia	Do. do.	Do.	Do. **P,** diff.=9 h. — normal. June and Year, **P**=9 h.
1166	Mitchell	Do. do.	Do.	**P**=½ (9+15).
1167	Rockhampton	Do. do.	Do.	Do. **P,** diff.=9 h.—normal.
1168	Brisbane	Do. do.	Do.	**P**=½ (9+15).
1169	Noumea	Do. do.	M.S. normals prepared in M.O.	Do.
1170	Norfolk Island	Paris, Ann. Bur. centr. météor., 1912. Results of Rainfall Obs. in Queensland.	See current data.	..

ZONE 12.

Between Latitude 30° S. and 40° S.

1219				
1220	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 10, Anuario 1912.	R. C. Mossman, Climate of Chile, J. Scot. Meteor. Soc., 15.	**P**=⅛ (7+14+21). **T,** Jan.–March reduced to ½ (M+m).
1221	Punta Angeles, Valparaiso	Do. do.	**P, T,** M.S. normals prepared in M.O. **R,** Climate of Chile.	**P**=½ (7+14+21).
1222	Santiago	Do. do.	M.S. normals prepared in M.O.	**P**=mean of 24 hrs.
1223	Cordoba	M.S. data supplied by Mr. R. C. Mossman.	M.S. normals supplied by Mr. R. C. Mossman.	Do.
1224	Buenos Ayres	Do. do.	W. G. Davis, Climate of the Argentine Republic.	**P,** reduced to mean of 24 hrs.
1225	Rio Grande	Rio Grande do Sul, Dados Meteor, 1912–13.	..	**P**=¼ (7+14+21).
1226	Montevideo	Montevideo, Instituto Meteor. Nacional, Datos 1912.	M S. normals prepared in M.O.	**P**=mean of 24 hrs.
1239	Cape Town	M.S. data supplied by Chief Meteorologist, Pretoria.	Do. do.	**P**=8½ h.
1240	Danger Point	Do. do.	..	..
1241	Heidelberg	Do. do.	**P, T,** prepared in M.O. **R,** A. Buchan, Rainfall of South Africa.	**P**=8½ h.
1242	East London	Do. do.	**P,** Buchan, "Challenger" Rep. on Atmospheric Circulation. **T, R,** see No. 1241.	Do.
1259	Perth (Observatory)	Melbourne, Australian Monthly Weath. Rep., vol. 3, 1912.	See current data.	**P**=½ (9+15).
1260	Katanning	Do. do.	Do.	Do.
1261	Coolgardie	Do. do.	Do.	Do.
1262	Eucla	Do. do.	Do.	Do.
1263	Streaky Bay	Do. do.	Do.	Do.
1264	Adelaide	Do. do.	Do.	Do.
1265	Melbourne	Do. do.	Do	**P**=mean of 24 hrs.
1266	Bourke	Do. do.	Do.	**P**=½ (9+15). **P,** diff.=9 h.—normal.
1267	Sydney	Do. do.	Do.	**P**=mean of 24 hrs.
1268	Lord Howe Island	Do. do.	Do.	..
1271	Auckland	Results of Rainfall Obs. in Queensland.	M.S. normals prepared in M.O.	..
1272		Wellington, Statistics of New Zealand, 1912: Meteor.		

ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

No.	Name of Station.	Authority for Current Data.	Authority of Normals.	Remarks.
1301	Chatham Island	Wellington, Statistics of New Zealand, 1912: Meteor.	M.S. normals prepared in M.O.	..
1321	Punta Corona (Puerto de Ancud)	Santiago, Publ. Inst. Meteor. de Chile, No. 10, Anuario 1912.	..	T=⅛ (7+14+21).
1322	Punta Galera	Do. do.	..	P=⅛ (7+14+21).
1323	Bahia Blanca	M.S. data supplied by Mr. R. C. Mossman.	W. G. Davis, Climate of Argentine Republic.	P=⅛ (8+14+20).
1365	Hobart	Melbourne, Australian Monthly Weath. Rep., vol. 3., 1912.	See current data.	P=½ (9+15).
1366	Launceston	Do. do.	Do.	Do.
1370	Dunedin	Wellington, Statistics of New Zealand, 1912: Meteor.	M.S. normals prepared in M.O.	P=9½ h.
1371	Christchurch	Do. do.	Do. do.	Do.
1372	Wellington	Do. do.	New Zealand Gazette.	P=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 10, Anuario 1912.	..	P, T=⅛ (7+14+21).
1422	Puerto de Punta Arenas	Do. do.	P. Marabini, Resumen de Obs. 1888–1907 del Colegio Salesiano, Punta Arenas.	P=mean of 24 hrs.
1423	Punta Dungeness	Do. do.	..	P, T=⅛ (7+14+21).
1424				
1425	Cape Pembroke	M.S. data at M.O.	P, M.S. normals prepared in M.O. T, R. C. Mossman, Meteorology of the Weddell Quadrant.	P, T=⅛ (4+8+12+16+20+24).
1429	South Georgia (Cumberland Bay)	Do.	M.S. normals prepared in M.O.	P=⅛ (8+14+20).

ZONE 15. Between Latitude 60° S. and 70° S.

1527 1528	South Orkneys	M.S. data supplied by Mr. R. C. Mossman.	M.S. normals supplied by Mr. R. C. Mossman.	P=mean of 24 hrs.

ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	Mohn, H., R. Amundsen's Antarctic Exped.: Meteorology.	..	P, T=⅛ (8+14+20).
1669 1670	Cape Evans (McMurdo Sound)	London, Q. J. R. Meteor. Soc., 40, 1914, p. 222.	M.S. normals supplied by Mr. R. C. Mossman.	P, T=mean of 24 hrs.

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